



INSTALLATION ACTION PLAN FOR U.S. ARMY DUGWAY PROVING GROUND DUGWAY, UTAH

Prepared for:

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RISK INSTALLATION ACTION PLAN REPORT

U.S. ARMY DUGWAY PROVING GROUND

SUMMARY

1. STATUS:

Non-NPL Installation, RCRA Part B Permit, Confirmed off-post contamination associated with Formerly Used Defense Sites (FUDS)

2. TOTAL NUMBER OF DSERTS SITES:

205 Sites / 109 Response Complete Sites

3. DIFFERENT SITE TYPES:

42	Landfills/Burial Sites
10	Storage areas
12	Surface impoundment/Lagoons/Drainfields/Evap Ponds/Septic Tanks
11	Waste Piles/Surface Disposal Areas/Contaminated Soil
10	Contaminated Buildings & Sewer Lines
9	Wash racks/Decontamination Pads
6	Dry Wells/Sumps/Vats
7	Other
107	Active IRP Sites in DPG RCRA Part B Permit (Module IV)
109	Response Complete Sites

4. MOST WIDESPREAD CONTAMINANTS OF CONCERN:

Chemical Agent Breakdown Products
Explosives
Heavy Metals
Petroleum/Oil/Lubricants
Volatiles

5. MEDIA OF CONCERN:

Groundwater, Soil

6. COMPLETED REM/IRA/RA:

ACTION	COUNT
FENCE OR OTHER SITE ACCESS CONTROL MEASURES	40
WASTE REMOVAL - SOILS	5
WASTE REMOVAL - DRUMS, TANKS, BULK CONTAINERS	23
WASTE REMOVAL - SOLIDS (NON-SOILS)	10

7. CURRENT IRP PHASE: (From DSERTS Installation Phase Summary Report)

0 Site in Site Investigation	17 Site in Remedial Action (Construction)
82 Sites in Remedial Investigation/Feasibility Study	0 Sites in Long Term Monitoring
12 Sites in Remedial Design	102 Sites Response Complete

8. PROJECTED IRP PHASE: (From DSERTS Installation Phase Summary Report)

69 Remedial Design Sites
77 Remedial Action (Construction)
0 Remedial Action (Operation)
44 Long Term Monitoring

9. IDENTIFIED POSSIBLE REM/IRA/RA:

- Initiate RFI Phase II removals at DPG-044, 113, 115, 116, 185, 171, 177, 179, 183, 188, 193, 205, 206, 211, 214, and 216
- Initiate RA at DPG-002 and 190
- Continue RD/RA at DPG-037, 038, 042, 047, 051, 058, 063, 128, and 130

10. FUNDING:

Prior Year Funds	\$97,213.00K
Current Funds	\$8,773.00K
Future Requirements	
Total	

11. DURATION:

Year of IRP Inception	1978
Year of RA Completion	2014
Year of IRP Completion (excluding LTMin)	2020

1. INSTALLATION INFORMATION

A. LOCALE

Dugway Proving Ground (DPG) is an approximately 798,000 acre Government-owned and operated chemical, conventional and biological weapons defense test facility. DPG is located in Tooele County, approximately 39 miles southwest of the town of Tooele, Utah.

B. COMMAND ORGANIZATION

Major Command: U.S. Army Test and Evaluation Command (ATEC)
Subcommand: Developmental Test Command (DTC)
Installation: DPG, Environmental Programs Directorate

C. INSTALLATION RESTORATION PROGRAM (IRP) EXECUTING AGENCY

U.S. Army Corps of Engineers, Sacramento District

D. REGULATOR PARTICIPATION

Federal: U.S. Environmental Protection Agency, Region VIII, Federal Facilities Section
State: Utah Department of Environmental Quality (UDEQ), Division of Solid and Hazardous Waste (DSHW); RCRA authority

E. REGULATORY STATUS

Non-NPL, Confirmed off-post contamination limited to FUDS
Consent Order, Sep 90; Amended Dec 93
Final RCRA Part B Permit with Corrective Action Module, March 94
Consent Order, Sep 94
Notice of Violation, Mar 98

F. PROJECTED DATE FOR CONSTRUCTION COMPLETION AND REMOVAL FROM THE NPL

Not applicable

G. RESTORATION ADVISORY BOARD (RAB) STATUS

The RAB was formally established in FY 2000. Representatives from the general public, local government, U.S. Environmental Protection Agency, DSHW, and Dugway sit on the RAB. RAB meetings are being held quarterly. Dugway does not anticipate requesting TAPP funds during FY 2002.

H. SIGNIFICANT CHANGES TO INSTALLATION ACTION PLAN FROM THE PREVIOUS YEAR (FY01)

Additional site photographs have been added
Remedial actions were performed at DPG-007, 048, 063-2.
RFI Phase I Report was approved on November 6, 2001. This finalized the removal of an additional 63 sites from the DPG RCRA Part B permit, Module IV.
Section B has been updated to reflect site conditions as of 1 March 02.

2. INSTALLATION DESCRIPTION

A. CURRENT ACTIVITY STATUS

Under the command of the U.S. Army Developmental Test Command (DTC), DPG has the assigned mission of planning, conducting tests, and evaluating chemical warfare systems, flame and incendiary systems, biological warfare vulnerability, and biological defense systems. The majority of testing, excluding range activities, occurs at or in the vicinity of either the Avery Technical Center (ATC), the Baker Laboratory Complex, the Carr Laboratory Complex, or the Ditto Technical Center. Hazardous materials associated with these activities are handled and tested at chemical and biological test areas, and artillery, rocket, and explosives test ranges.

B. HISTORICAL ACTIVITY STATUS

DPG was activated on March 1, 1942. Shortly thereafter, military weapons testing commenced under the Technical Division of the U.S. Chemical Corps. From 1942 through 1947, chemical warfare facilities were established and special buildings (typical of enemy construction), caves, and fortification complexes were subjected to bombardment with incendiary and chemical munitions. Chemical munitions tested include phosgene mixtures, mustard mixtures, blood agents, nerve agents, incapacitating agents, and smokes. In October 1943, biological warfare facilities were established at DPG. Numerous microorganisms were tested, including anthrax, plague, tularemia, human dysentery, tuberculosis, and a host of others.

DPG became inactive in January 1947, and was considered a post satellite of the Deseret Chemical Depot (formally the Tooele Army Depot, South Area). The Chemical and the Biological Warfare Divisions were activated at Ditto Technical Center (DTC) in January, 1951. DPG was combined with the Deseret Test Center on July 1, 1968. On October 11, 1973, DPG was assigned to the Commanding General, U.S. Army Test and Evaluation Command (TECOM). In October, 1999, Dugway was assigned to the newly established Developmental Test Command (DTC) under the U.S. Army Test and Evaluation Command (ATEC).

Thousands of munitions containing mustard (H,HD,HT) were tested at DPG during the periods from 1942 to 1945 and 1952 to 1956. A minimum of 1,200 field trials employing 47,900 munitions or dissemination devices were conducted from 1945 to 1968 with agents GB, GA, and VX (USATHAMA, 1979). Large scale conventional munitions testing was conducted at the ranges until the late 1970s.

C. REGULATORY STATUS

Many sites located in the ranges and areas described above are currently being investigated under the Installation Restoration Program. On 13 September 1990, a consent order was negotiated between DPG and the State of Utah requiring the investigation and development of closure plans for 41 sites. As part of the Resource Conservation and Recovery Act (RCRA) Part B Permit application, DPG initiated a RCRA Facility Investigation (RFI) in November 1992. The RFI addresses over 135 sites to date. Contaminants of concern are agents (HD, L, VX, GB, BZ, GD), agent breakdown products, caustics, solvents, metals, volatiles, pesticides, PCBs, and POLs.

3. CONTAMINATION ASSESSMENT:

A. ASSESSMENT OVERVIEW

Historical waste disposal practices have generated possible contamination at 205 Solid Waste Management Units (SWMUs). Many of these SWMUs are affiliated with DPG's mission to test chemical, biological, and conventional weapons, but some SWMUs are characterized by more generic practices such as sanitary waste disposal, photo developing, transformer disposal, and sanitary landfills.

In 1977, English Village water supply wells 18 and 19 were taken out of potable service due to increasing levels of nitrate in 1972 and 1967, respectively. No definable source was ever found for this increase.

An initial installation assessment completed in April 1979 concluded that there was no potential for off-post migration of hazardous waste at DPG. The assessment also concluded that because of the probability that unexploded ordnance, including chemical agent rounds, may be located in many areas of DPG, the installation range areas should be considered hazardous to personnel.

Hazardous Waste Management Units (HWMUs):

The Consent Order negotiated between the State of Utah and DPG on 13 September 1990 required the investigation and development of closure plans for 41 sites that ceased hazardous waste operations after 1980. Since the signing date, four HWMUs have been dropped and one has been added. The contaminants of concern for the Consent Order HWMUs are: VOCs, BNAs, agent, agent breakdown products, pesticides, PCBs, explosives, and metals. The objective of the consent order site investigation was to develop closure plans for the 34 consent order HWMUs. The investigation was divided into three mobilizations or field phases, during which all of the HWMUs were investigated. Mobilization I began on 27 July 1992 and ended 6 November 1992; 30 HWMUs were investigated during this time. Mobilization II started on 10 May 1993 and ended 7 October 1993; 35 HWMUs were investigated during this time. Nature and Extent plans for 41 HWMUs were submitted to the installation and regulators in March - August 1993. Mobilization III began in January 1995 and ended in May 1995. Closure plan development began in December 1993. Three HWMUs have been approved for Administrative Closures. HWMUs 33 and 36 were remediated in 2000. Closure reports remain to be drafted. HWMU 48 has been approved for remediation in 2001. Remedial action plans are funded and in development for all remaining HWMUs.

Solid Waste Management Units (SWMUs):

On March 20, 1992, the Executive Secretary for the Utah Division of Solid and Hazardous Waste finalized the RCRA Facility Assessment (RFA) for SWMUs located on DPG. The purpose of the RFA was to identify and describe SWMUs and determine the existence of the likelihood of a release. A Preliminary Review (PR) was completed first in order to review pertinent documentation such as inspection reports, permit applications, aerial photos, and disposal records. Over 169 SWMUs were identified based on the PR. A Visual Screening Inspection (VSI) was then conducted in the summer of 1991, which deleted 11 SWMUs from the list. The final RFA lists 121 SWMUs, which need to be investigated in the RCRA Facility Investigation (RFI). During the RFI investigation, SWMUs are being added, deleted, and consolidated as more information is obtained. DPG currently is investigating 111 SWMUs under the RCRA Corrective

Action module of the RCRA hazardous waste storage permit issued 15 March 1994 by the State of Utah Department of Environmental Quality. A Phase I RCRA Facility Investigation (RFI) was performed from August 1993 to June 1994. The purpose of the RFI was to confirm or deny the presence of hazardous waste at the 111 SWMUs. 68 sites continue to be investigated under the Phase II RFI, several of which contain other SWMUs that have been combined into the 68 due to proximity or waste process. SMWUs sites with biological warfare agents as contaminants of potential concern are being deferred until characterization protocols are finalized.

No off-post contamination has been confirmed with the exception of SWMUs 67, 126, and 127, which are FUDS under the USACE.

Table 1 lists all previous studies completed at DPG.

TABLE 1

PREVIOUS STUDIES AT DUGWAY PROVING GROUND

1. Army Material Command Test and Evaluation Command, 1975, Environmental Impact Assessment: Proposed Hercules, Incorporated Rocket Motor Test Site, Dugway, Utah.
2. Program Manager for Chemical Demilitarization and Installation Restoration, 1975, Basic Plan for the Assessment of DPG Phase V Toxic Residue Stored at Tower Grid and West Granite Holding Areas, Dugway, Utah.
3. Pinkham, Carlos F.A., 1976, Installation Environmental Impact Assessment for United States Dugway Proving Ground, Dugway Utah, Environmental and Life Sciences Division, Material Test Directorate, Dugway, Utah.
4. Jones, Curtis F., 1977, Soil Samples West Granite Disposal Area, U.S. DPG, Project Manager for Chemical Demilitarization and Installation Restoration, Aberdeen Proving Ground, Maryland.
5. U.S. Army Personnel, Initial Installation Assessment of DPG, 1979, prepared for the U.S. Army Toxic and Hazardous Materials Agency, Aberdeen Proving Ground, Maryland.
6. U.S. Army Environmental Hygiene Agency, 1983, Phase 2 Hazardous Waste Management Study No. 37-26-0147-84, DARCOM Open Burning/Open Detonation Grounds Evaluation, Dugway, Utah.
7. USACE, 1984, Analysis of Existing Facilities Environmental Assessment Report: Planning Corp., Dugway, Utah.
8. El Dorado Engineering, Inc., 1986, Hazardous Waste Study for Dugway Proving Ground, Volume 1, prepared for the U.S. Army Toxic and Hazardous Materials Agency, Aberdeen Proving Ground, Maryland.
9. U.S. Army Environmental Hygiene Agency, 1987, Interim Final Report Ground-Water Contamination Survey No 38-26-0847-88 Evaluation of SWMUs, DPG, 6-10 Apr 87, prepared for the U.S. Army Materiel Command, Alexandria, Virginia.
10. Environmental Science and Engineering, Inc., 1988, Update of the Initial Installation Assessment of Dugway Proving Ground, Utah, prepared for the U.S. Army Toxic and Hazardous Materials Agency, Aberdeen Proving Ground, Maryland.
11. R&M Consultants (ESE), 1988, Report of Findings, Geohydrologic Study: Phase 1 DTC and 3008 Evaporation Ponds, English Village and Fries Park Landfills, DPG, Utah, Dugway, Utah.
12. Dette, Michael, 1988, Installation Restoration Program Plan for Dugway Proving Ground, U.S. Army Toxic and Hazardous Materials Agency, Aberdeen Proving Ground, Maryland.
13. Executive Secretary of the Utah Solid and Hazardous Waste Control Board, 1992, RCRA Facility Assessment of Solid Waste Management Units at U.S. Army DPG, Dugway, Utah.
14. EBASCO, 1992, Geophysical Investigation of Solid Waste Management Unit 20, Camels Back Ridge, U.S. Army Environmental Center, Aberdeen Proving Ground, Maryland.
15. EBASCO, 1992, Geophysical Investigation of Solid Waste Management Unit 160, Air Force Pad No. 777, Landfill No. 1, U.S. Army Environmental Center, Aberdeen Proving Ground, Maryland.
16. Engineering Technologies Associates, 1994, Preliminary Assessment Dugway Proving Ground, Dugway Utah, U.S. Army Environmental Center, Aberdeen Proving Ground, Maryland.
17. Ebasco Services Inc., 1995, SWMU Closures at Dugway Proving Ground, Interim Report. Final Phase 1, USAEC.
18. Parsons Engineering Science Inc., 1999, RCRA Facility Investigation, Investigation Report, Final Phase 1, USAEC.
19. Ebasco Services, Inc., 30 Sep 1996, Module 3 Closure Plan
20. Parsons Engineering Science Inc., 2000, Draft Characterization and Recommended Use of Facility-Wide Background Soil Metals Data, USACE.
21. AGEISS Environmental and The IT Group. Annual Groundwater Monitoring Reports, 1995, 1996, 1997, 1998, 1999, 2000.

SCRAP CONSTRUCTION MATERIAL LANDFILL FROM V-GRID (DPG-001):

0.38-acre site of an unlined soil mound in the V-Grid area, active 1950's to 1960's. Wastes reportedly disposed at the site include construction debris, marston matting, and spent small-caliber shell casings. Approximately 60 tons of scrap construction material was removed under a base contract and disposed of at the DPG landfill. The Phase I investigation did not identify any contaminants of concern. However, soil under the marston matting was not sampled. A Phase II RFI is recommended. Due to the proximity of DPG-001 to DPG-003, it has been combined with DPG-003 in the permit and for the Phase II investigation.



Site Type:	Landfill
Legal Driver:	Corrective Action
Contaminants of Concern:	None
Media of Concern:	None
RRSE Rating:	2A
Completed IRP Phase to Date:	RFA; IRA
Current IRP Phase:	RC
Future IRP Phase:	None

Recommendation for future response:

No further action under DSERTS is recommended

SCRAP CONSTRUCTION LANDFILL N. GRANITE PEAK (DPG-002):

DPG-002, known as the Waste Pile at the North End of Granite Peak, is a landfill located north of Granite Peak, approximately 1,000 ft north of Stark Road. This central portion of DPG is now primarily used for test ranges. In the past, munitions disposal, decontamination, and other demilitarization activities were also conducted in this portion of DPG. DPG-002 was used to dispose of a variety of solid wastes generated during range cleanup and the demilitarization activities. The unit consists of two trenches that are positioned end to end and are approximately 50 ft apart. Approximately 4.9 tons of scrap material was removed under a base contract and transported to the Defense Reutilization Management Office (DRMO) at Tooele Army Depot. 31 tons of surface waste was disposed of at the DPG landfill. In 1988, warning signs were placed at DPG-002 for site control purposes. Groundwater monitoring began at DPG-002 in 2000. A soil cover cap design has been approved and is scheduled for construction in FY02.



Site Type:	Landfill
Legal Driver:	Consent Order
Location	North End of Granite Peak
Dates of Operation	Used in the 1940's to 1990
General Size of Dimensions	300 ft. by 400 ft.
Contaminants of Concern:	VOC's, BNA's, Agent Breakdown Products (ABPs), Explosives, Metals
Media of Concern	Soil and Possibly Groundwater
RRSE Rating:	1A
Completed IRP Phase to Date:	PA/SI; IRA
Current IRP Phase:	Cap Design approved by UDEQ; Groundwater Monitoring Per Consent Order
Future IRP Phase:	Decision

Recommendation for future response: Soil cover cap will be installed at this site. Continued groundwater monitoring may also be required per consent order or LTM requirements.

VEHICLE DECONTAMINATION PAD (ADJ TO BLDG T-9410), V-GRID (DPG-003):

7-acre site in the All Purpose Grid area with a 450 sq ft concrete pad, active 1960's, reportedly used for decontamination of VX contaminated vehicles. Also located at the site are a building, bermed surface depression, stained soil, three mounded areas, a trench, two drainfields, two sewer lines, a septic tank, a UST, and a transformer. The sewer lines reportedly handled fluids utilized for decontamination purposes. Marston matting is present on the ground surface in the western portion of the site; discarded batteries and glassware are visible in several areas. The area investigated as the decontamination pad area was actually determined to be the site of a former maintenance shop. The actual decontamination pad area was located, along with a suspected animal burial site, following the Phase I investigation. A Phase II RFI is underway. Due to the proximity and similarity of DPG-001 and DPG-005, these sites have been combined with DPG-003 for the Phase II RFI. IRA performed in 1993 to remove marston matting debris. A Source Removal Investigation and Voluntary Interim Measures Work Plan is in place to remove a waste UST and contaminated soil and to complete the site characterization.



Site Type:	Decontamination Pad/Chemical Agent Site
Legal Driver:	Corrective Action
Contaminants of Concern:	Arsenic, ABPs
Media of Concern	Soil
RRSE Rating:	1A
Completed IRP Phase to Date:	RFA, IRA, Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

OLD BAKER LAB, N. GRANITE PEAK (DPG-004):

220-acre site of former biological laboratory and self-supporting facility located at the north end of Granite Peak, active 1940's to 1953. The site consists of numerous trenches and disposal areas, building foundations, and concrete rubble and debris from the demolished buildings. Approximately 20,000 cubic yards of miscellaneous rubbish was removed in 1994 under a base contract. The presence of large amounts of rebar interfered with geophysical surveys performed near demolished buildings. Phase I RFI activities included relatively limited soil sampling due to the lack of information regarding locations and past uses of the site. A Phase II RFI is recommended. However, no additional work will occur until protocols are established for sampling for biological warfare agents.



Site Type:	Biological Agent Site
Legal Driver:	Corrective Action
Contaminants of Concern:	SVOCs, TOC, Explosives, Metals, Biological Agents
Media of Concern	Soil, Possibly Groundwater
RRSE Rating:	1A
Completed IRP Phase to Date:	RFA, IRA
Current IRP Phase:	Phase I RFI/Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

CONTAMINATED MATERIAL BURIAL SITE, V-GRID (DPG-005):

8.25-acre site of several unlined trenches and disturbed areas located in the All Purpose Grid area, active 1940's to 1960's. The reported use of the site was for disposal of vehicles, vehicle parts, and miscellaneous equipment contaminated with chemical (primarily VX) and biological agents. Surface debris was removed under a base contract, including 35 tons of debris that was disposed as agent-contaminated waste at the Grassy Mountain facility (id., Laidlaw, USPCI). In addition, 1.5 tons of non-contaminated debris was transported to the DPG landfill for disposal. Agent break-down products were not found during Phase I characterizations of on-site soils. However, due to the shallow groundwater level at this site, a survey of groundwater is recommended as part of a Phase II investigation. Due to its proximity and similarity with DPG-003, additional investigation of DPG-005 will be included under the DPG-003 Phase II RFI. DPG-005 has been combined with DPG-003 in the permit.



Site Type:	Landfill
Legal Driver:	Corrective Action
Contaminants of Concern:	Unknown
Media of Concern	Soil and Groundwater
RRSE Rating:	1A
Completed IRP Phase to Date:	RFA, IRA
Current IRP Phase:	RC
Future IRP Phase:	None

Recommendation for future response: No further action under DSERTS is recommended.

SURFACE STORAGE AREA VIC 10 MILE TOWER, V-GRID (DPG-006):

13-acre site of three bermed areas (each 11,000 sq ft), a 55-gallon drum staging area, and an apparent burn area located in the All Purpose Grid area and active during the 1970's. Approximately 6 tons of debris was removed under a base contract in 1993. Debris consisted of an empty decomposed fuel bladder, a lead acid battery, several hundred feet of electrical cable, empty 55-gallon drums. Debris was transported to DPG landfill for disposal. A soil gas survey indicated that petroleum-related contaminants have impacted on-site soils and shallow groundwater. A survey of groundwater is recommended as part of a Phase II RFI.



Site Type:	Storage Area
Legal Driver:	Corrective Action
Contaminants of Concern:	TPH, VOCs
Media of Concern	Soil and Groundwater
RRSE Rating:	2A
Completed IRP Phase to Date:	RFA, IRA, Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

BRINE VATS, WEST OF GRANITE PEAK (DPG-007):

Concrete pad upon which open, aboveground evaporation tanks were previously located. The unit currently consists of a bermed concrete pad and an adjacent earthen ramp constructed of native soil. When in operation the concrete pad supported 20 large, open brine vats that were used for evaporation of wastewaters from testing programs. The vats never held agent. The vats were removed from the concrete pad in 1993 and cut into manageable pieces on the ground east of the pad. The metal was triple rinsed and taken to the DRMO at Tooele Army Depot. Concrete cradles that held the brine vats were removed and transported to DPG landfill. Brines and rinsewater were solidified using lime prior to shipment and disposal at Grassy Mountain facility. In 1988, warning signs were placed at DPG-007 for site control. A remedial action to remove the concrete pad and partially buried drum was completed in Fall 01. Site closure report is under preparation.



Site Type:	Aboveground Storage Tanks
Legal Driver:	Consent Order
Location	West of Granite Peak, Brine Vats
Dates of Operation	Used 1975 to 1990
General Size of Dimensions	Concrete Pad Approx. 72 ft. by 140 ft. Surrounded by a 2 ft. High Berm
Contaminants of Concern:	VOCs, BNAs, ABPs, and Metals
Media of Concern	Soil
RRSE Rating:	1A
Completed IRP Phase to Date:	PA/SI, IRA
Current IRP Phase:	RD/RA
Future IRP Phase:	Site Closeout

Recommendation for future response: Remediation of underlying soil appears to be unnecessary at this site.

BURIAL SITE, WEST OF GRANITE PEAK (DPG-008):

50 ft diameter waste pile in a 4 ft deep pit located west of Granite Peak. Reported site of a former building, active during the 1970's. Approximately 32 tons of debris was removed in 1993 and transported to DPG landfill. This debris included remnants of an old building, scrap wood, wire, wooden spools, cardboard rolls, plastic bottles, and unknown ordnance. One load of recyclable iron was transported to DPG-007 for like consolidation. Additionally, DPG Technical Escort and Disposal Detachment removed four unexpended HC smoke rounds for disposal. No COC's were detected in soils sampled from the pit. A test pit is planned to identify a magnetic anomaly expected to be a buried culvert pipe.



Site Type:	Landfill
Legal Driver:	Corrective Action
Contaminants of Concern:	None
Media of Concern	None
RRSE Rating:	1A
Completed IRP Phase to Date:	RFA, IRA, Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	Added to Phase II RFI to investigate the magnetic anomaly.
Recommendation for future response:	No further action is recommended.

STORAGE SITE, 3X SCRAP MATERIAL, WEST OF GRANITE PEAK (DPG-009/009A):

2.5-acre area, located in the central portion of DPG at the western flank of Granite Peak. The site includes an open storage area and staging area. This site was primarily used for the aboveground storage of range debris from range clearance activities, 3X-decontaminated material from the West Granite Holding Area (DPG-192), and for limited landfill operations. In 1988, warning signs were placed at DPG-009 for site control. In 1990, M55 rocket motors and fiberglass shipping containers, classified as F999 waste, were removed from the site and transported to Grassy Mountain facility for disposal. The majority of waste accumulations were removed from the site by 1993. Scrap metal was taken to the DRMO at Tooele Army Depot, rocket residue was sent to Grassy Mountain, and miscellaneous rubbish was disposed in the DPG landfill. After the debris piles and debris in the trench were removed, the fenced area was disked and graded to uncover additional near-surface metal debris. Some debris, including M55 warheads, CS submunitions, and 8-inch artillery rounds are still present on the site. A pile of approximately 376 M55 rockets is present at the site. This site is recommended for Remedial Design. USACE and DPG are looking at disposal options for the rocket pile.



Site Type:	Storage Area
Legal Driver:	Consent Order
Location	Western Slope of Granite Mountain, Waste Pile
Dates of Operation	Used from 1975 to 1990
General Size of Dimensions	2.5-Acres
Contaminants of Concern:	VOCs, BNAs, ABPs, Explosives, and Metals
Media of Concern	Soil and Possibly Groundwater
RRSE Rating:	1A
Completed IRP Phase to Date:	PA/SI; IRA
Current IRP Phase:	RI/FS (Closure Plan Submitted to UDEQ)
Future IRP Phase:	RD/RA

Recommendation for future response: Future remediation response options are being considered.

LOW LEVEL RAD LANDFILL, WEST OF GRANITE PEAK (DPG-010):

Area of uncertain size and location, active 1940's to 1950's. Reported disposal site of radioactive waste and possible disposal site of German chemical agents (W.W. II). In 1993, warning signs were placed at DPG-010 for site control. Because of uncertainty regarding the landfill location, geophysical survey results were inconclusive. Further investigation of landfill location, dimensions, and use is being conducted as part of a Phase II RFI.



Site Type:	Radioactive Waste Area
Legal Driver:	Corrective Action
Contaminants of Concern:	Radiation (Alpha); ABP (DIMP)
Media of Concern	Soil
RRSE Rating:	3A
Completed IRP Phase to Date:	RFA; IRA; Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response:	Final remedy selection will follow completion of the Phase II RFI.
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LOW LEVEL RAD LANDFILL, EAST OF GRANITE PEAK (DPG-011):

16-acre site, corresponding to the location of the former East Granite Holding Area (active 1950 to 1977), consisting of three open trenches and one backfilled trench. The backfilled trench was used for the disposal by burning of beryllium-containing missile propellant waste accepted by the Army from the Air Force in 1965. Types of materials that have been stored at the holding area included tritium and carbon-14, and were placed there between 1958-1977. Removal of debris first occurred in March 1980 when DPG Radiation Protection Office collected glassware contaminated with carbon-14 and delivered it to the chemical laboratory in Ditto for disposal. Removal of debris continued through 1985 where materials were transported to a munitions igloo located in the Baker Area (DPG-174). Stained soil observed in excavation pits during Phase I activities were believed to indicate contamination from burning activities. In 1993, warning signs were placed at DPG-011 for site control. A Phase II RFI is underway.

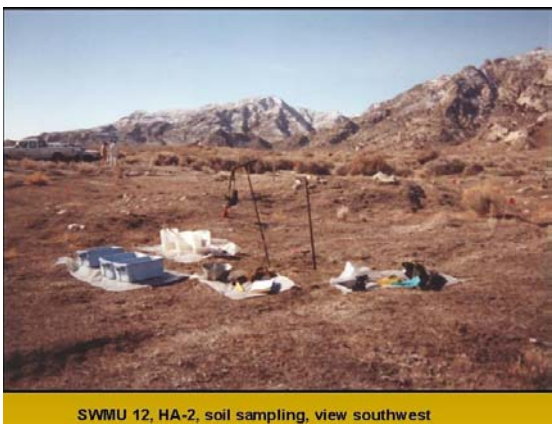


Site Type:	Radioactive Waste Area
Legal Driver:	Corrective Action
Contaminants of Concern:	Radiation (Alpha)
Media of Concern	Soil
RRSE Rating:	3A
Completed IRP Phase to Date:	RFA; IRA; Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response:	Final remedy selection will follow completion of the Phase II RFI.
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LOW LEVEL RAD LANDFILL, EAST OF GRANITE PEAK (DPG-012):

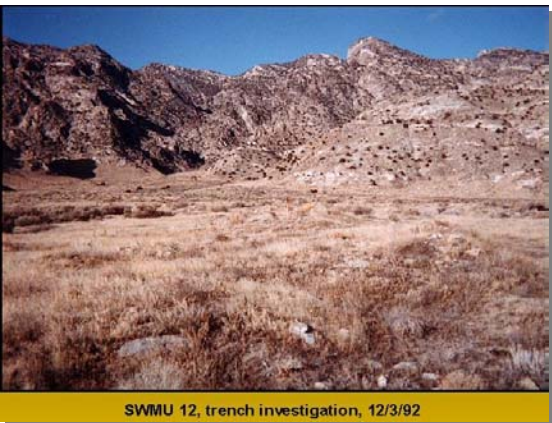
Area of uncertain size and location, active 1940's to 1950's. Reported disposal site of radioactive waste. Because of uncertainty regarding the landfill's location, geophysical survey results were inconclusive. However, warning signs were placed at the suspected site in 1993. No further action under the IRP is recommended.



SWMU 12, HA-2, soil sampling, view southwest



SWMU 12, HA-1, soil sampling, view east



SWMU 12, trench investigation, 12/3/92



SWMU 12, trench investigation, 12/3/92

Site Type:	Radioactive Waste Area
Legal Driver:	Corrective Action
Contaminants of Concern:	Radiation (Alpha), ABP (DIMP)
Media of Concern	Soil
RRSE Rating:	3A
Completed IRP Phase to Date:	RFA; IRA; DSERTS Response Complete Sept. 1999
Current IRP Phase:	Removed From RCRA permit Nov. 01
Future IRP Phase:	None
Recommendation for future response:	No further action under the IRP.

LOW LEVEL RAD LANDFILL, EAST OF GRANITE PEAK (DPG-012) (Continued):



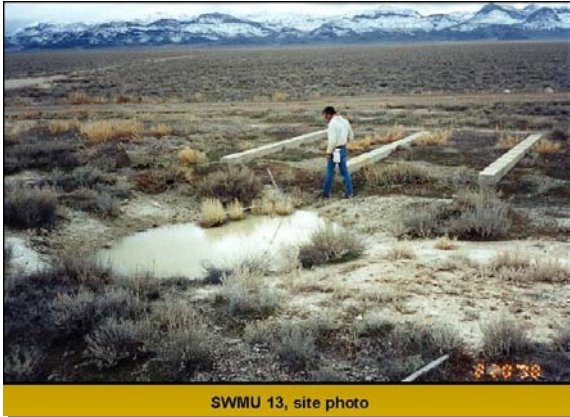
SWMU 12, trench investigation, 12/3/92



SWMU 12, trench investigation, 12/2/92

DECON PAD, JCT. DOWNWIND & LIMA ROADS (DPG-013):

0.5-acre site of a former vehicle decontamination pad located in Downwind area, active 1960's to 1970's. Only concrete footings remain, the metal pad is no longer present. A former 55-gallon drum storage area was located near the pad and was reportedly used to store white phosphorus. Scrap ordnance and debris were also scattered across the site before removal under a base contract in 1993. Seven tons of debris, including the pad that was classified as F999 waste, was removed to the USPCI Landfill. Elevated phosphorus levels were found in the pad area and drum storage area during a limited Phase I investigation; the explosive risk for the site was considered to be high.



Site Type:	Surface Runoff
Legal Driver:	Corrective Action
Contaminants of Concern:	Phosphorus
Media of Concern	Soil
RRSE Rating:	3A
Completed IRP Phase to Date:	RFA; IRFA; RFI Phase I
Current IRP Phase:	Response Complete Nov. 01
Future IRP Phase:	None
Recommendation for future response:	No further action under the IRP

DISPOSAL SITES, JCT. DOWNWIND AND JULIET ROADS (DPG-014):

DPG-014 is located at the southern end of the Downwind Grid in the central portion of DPG, southeast of Granite Peak. The site consists of a trench with a vehicle access ramp, a soil pile, and a detonation crater. When it was originally designated, the unit consisted only of an excavated area and the adjacent soil pile. The excavated area was approximately 95 ft long, 40 ft wide, and 12 to 15 ft deep when active, and the pile of excavated soil was approximately 6 to 8 ft high. This site was used to manage a wide range of solid waste materials, including range-related debris such as tear gas and fog oil canisters, empty decontamination fluid containers, smoke pots, 155-millimeter (mm) ordnance fragments, CS bomblets, several types of munitions including M55 rockets, magnesium-filled incendiary rounds and munitions with unknown contents and wooden ammunition cases. Site control measures were taken in 1988 with warning signs placed about the area. Removal of this debris occurred from 1993-1995. Munitions were stockpiled and destroyed on-site by Army EOD; rubbish was hauled to the DPG landfill; and scrap was transported to the DRMO. Groundwater monitoring has been conducted at DPG-014 since 1996. Additional groundwater assessment activities were conducted in FY01. Remedial design is recommended. Safety, policy, and economic considerations regarding cap installation within an active range require resolution.



Site Type:	Landfill
Legal Driver:	Consent Order
Location	Intersection of Downwind and Juliet Roads, Landfill
Dates of Operation	Used from the 1960's to 1993
General Size of Dimensions	Approximately 210 ft. by 240 ft.
Contaminants of Concern:	VOCs, BNAs, ABPs, Explosives, and Metals
Media of Concern	Soil and Possibly Groundwater
RRSE Rating:	1A (High with Regulatory Agreement)
Completed IRP Phase to Date:	PA/SI; IRA
Current IRP Phase:	RD; Closure Plan Submitted to UDEQ; Groundwater Monitoring Per Consent Order
Future IRP Phase:	RA; Risk-Based Closure; Post-Closure Groundwater Monitoring

Recommendation for future response: Remediation of surface and subsurface soil may be required at this site. Groundwater monitoring may also continue per Consent Order requirements.

LANDFILL, RISING SUN TEST AREA (DPG-015):

1-sq mile site of former underground tunnel fortifications located in the Tower Grid area, active 1940's. The site was reportedly used to test agent munitions (including CG, CK, H, and HD agents) on underground fortifications. In 1993, warning signs were placed in the area for site control purposes. Discarded munitions, ordnance fragments, and possible chemical-agent-filled UXO are scattered across the site, and the explosive risk is considered to be high. Because of this risk, a very limited Phase I investigation was performed, which consisted of a GPS Survey (used for mapping purposes). A Phase II RFI is underway. However, a geophysical survey may be required in advance of future test pitting or sampling.



Site Type:	Landfill
Legal Driver:	Corrective Action
Contaminants of Concern:	Chemical Agents, ABPs
Media of Concern	Soil
RRSE Rating:	Not Evaluated (Data to Evaluate being Collected Under RFI Phase II)
Completed IRP Phase to Date:	RFA, IRA, Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

DECON PAD, JCT. DOWNWIND EAST & HIGHWAY 101 (DPG-016):

2-acre site of a former area for decontaminating agent-contaminated vehicles located in the Tower Grid area, active 1950's to 1960's. A debris pile was located near the pad area and contained practice bombs, rocket motors, vials, and miscellaneous debris. An open trench (140 ft by 30 ft), two circular mounds, a pump house, an AST, and several drainage ditches were also present. Approximately 80 tons of debris was removed under a base contract in 1993. The debris removed consisted of metal track rails and the waste pile. Phase I activities included soil and groundwater sampling and a hydrogeological study. A Phase II RFI is underway.



Site Type:	Decontamination Pad/Washrack
Legal Driver:	Corrective Action
Contaminants of Concern:	SVOCs, TPH, Metals
Media of Concern	Soil
RRSE Rating:	1A
Completed IRP Phase to Date:	RFA; IRA; Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

AGENT DISPOSAL SITE, S. TOWER GRID (DPG-017):

178-acre fenced waste burial area located in the Tower Grid area, active 1950 to 1977. The site was reportedly used during demilitarization of chemical weapons. There are three trenches, six mounds, a drum storage area, and a concrete pad. In 1991, warning signs were placed in the area for site control purposes. Approximately 46.6 tons of debris was removed under a base contract in 1993. The debris removed consisted of demilitarization residues, equipment and non-military related debris. Approximately 15.4 tons of this debris was hauled to the DRMO, while 31.2 tons of agent decontaminated materials were disposed as F999 waste at the Grassy Mountain facility. The explosive risk associated with this site is considered to be high during Phase I activities, so all soil and groundwater sampling was performed outside of the fenced area. Elevated metal levels in soil and down-gradient groundwater samples were duplicated in the upgradient well, so there is doubt that DPG-017 is the source. Because of the limited sampling conducted during the Phase I investigation, a Phase II RFI is being conducted. During site reconnaissance, new burial pits were discovered in the SW corner of the site. New monitoring wells were installed adjacent to the newly discovered burial pits.



Site Type:	Landfill
Legal Driver:	Corrective Action
Contaminants of Concern:	ABPs, Metals, VOCs
Media of Concern	Soil, Groundwater
RRSE Rating:	1A
Completed IRP Phase to Date:	RFA, IRAs, Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

DISPOSAL SITE, SE TOWER GRID (DPG-018):

0.3-acre site of an unlined trench (60 ft by 15 ft), two soil mounds, and metal tower sections located in Tower Grid area, active 1960's to 1970's. Reportedly, agent-containing wastes were disposed in the trench. Formerly, the trench contained scrap wood and metal, wire, filters, smoke canisters, munitions fragments, 55-gallon drums, and cable. 28.5 tons of this debris was removed under base contract in 1993, including the metal tower sections, and disposed at the DPG landfill. 2.5 tons of suspected agent decontaminated debris was removed and disposed at the Grassy Mountain facility. Phase II RFI is underway.



Site Type:	Surface Disposal Area
Legal Driver:	Corrective Action
Contaminants of Concern:	PAHs, TCE, and Metals
Media of Concern	Soil
RRSE Rating:	2A
Completed IRP Phase to Date:	RFA; IRA; Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

DISPOSAL SITE, NE TOWER GRID (DPG-019):

0.3-acre site of an unlined trench (60 ft by 10 ft), a partially back-filled pit, and two soil mounds, located in the Tower Grid area, active 1960's to 1970's. Formerly, the trench contained scrap wood and metal. Approximately nine tons of debris was removed under base contract and disposed at the DPG landfill in 1993. The debris removed consisted of miscellaneous cans/containers, metal scrap, and miscellaneous rubbish. At the eastern end of the trench there remains a partially buried 1,000-gallon tank. Due to the presence of the tank, a Phase II RFI is being conducted.



Site Type:	Landfill
Legal Driver:	Corrective Action
Contaminants of Concern:	Chemical Agent, Metals
Media of Concern	Soil, Groundwater
RRSE Rating:	3A
Completed IRP Phase to Date:	RFA, IRA, Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response: No further action is recommended following Phase II activities.

CAMELS BACK RIDGE LANDFILL (DPG-020):

This site was a suspected landfill that was later revealed to be cable burial mounds, located on the north side of Camels Back Ridge. Dimensions are approximately 480 ft by 52 ft, with surface features consisting of two shallow trenches and a mound located adjacent to each trench. The site was administratively closed by UDEQ.



Site Type:	Landfill
Legal Driver:	Former Consent Order
Location	Northern End of Camels
Dates of Operation	Not Applicable
General Size of Dimensions	480 ft. by 100 ft.
Contaminants of Concern:	Not Applicable
Media of Concern	Not Applicable
RRSE Rating:	3A
Completed IRP Phase to Date:	PA/SI, N&E Investigation, Closure
Current IRP Phase:	Complete August 1998
Future IRP Phase:	Response Complete

Recommendation for future response: Site closed Oct 96 with approval of UDEQ.

DISPOSAL SITE, NORTH OF CAMELS BACK RIDGE (DPG-021):

3-acre site of a fenced disturbed area located in the Ditto area, active 1940's to 1950's. The disturbed area includes a large mound and several cave-in areas. Outside of the disturbed area is a metal debris pile and scattered wood, metal, glass, and plastic scrap material. Reportedly, the site was used for the disposal of target grid samplers. Each sampler consisted of a vacuum pump, solenoid, and radio receiver. Although knowledge of the burial of munitions is not known at the site, numerous rocket motors and ordnance fragments were found at the surface. Lead acid batteries also may have been disposed at the site. Because the explosive risk at the site is considered to be high, all soil and groundwater sampling was performed outside the fenced area during Phase I activities. In 1993, warning signs were placed in the area for site control purposes. One surface water sample was collected from a depressed area that had filled with recent precipitation. ABP's detected in groundwater were uniform across the site and were also detected in the upgradient well. For these reasons, there is uncertainty whether DPG-021 is the source of these contaminants. A Phase II RFI is underway. Wells were installed in to the shallow groundwater adjacent to the burial trenches.



Site Type:	Landfill
Legal Driver:	Corrective Action
Contaminants of Concern:	Metals, ABPs
Media of Concern	Soil and Groundwater
RRSE Rating:	1A
Completed IRP Phase to Date:	RFA, IRA, Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

CAPPED IMPOUNDMENT, SE TOWER GRID (DPG-022):

Suspected site of capped impoundment (< 0.1 - 0.4 acres) located in the Tower Grid area, active during the 1970's. The exact location is difficult to discern. However, two areas of sparse vegetation and animal burrows (with no observable debris) were noted and thought to mark the probable location of the impoundment. In 1993, warning signs were placed in the area for site control purposes. The impoundment was reportedly used for the disposal of BZ simulant residues. No analytes were detected above screening levels during the Phase I investigation of the suspected site. No further action under the IRP is recommended.



Site Type:	Surface Impoundment/Lagoon
Legal Driver:	Corrective Action
Contaminants of Concern:	Arsenic
Media of Concern	Soil
RRSE Rating:	3A
Completed IRP Phase to Date:	RFA; IRA; Phase I RFI
Current IRP Phase:	Response Complete under the IRP Sept. 1999
Future IRP Phase:	None
Recommendation for future response:	No further action under the IRP is recommended.

WASTE BURIAL SITE, SW TOWER GRID (DPG-023):

0.8-acre abandoned landfill site consisting of L-shaped depression and paved access area located near Tower Grid, active during the 1950's. The L-shaped area contains a backfilled trench overlain by a soil mound, and a smaller mound with some scrap metal. Numerous cave-ins are present in the backfilled trench at the southern end of the depression, and a large unvegetated, disturbed area is located on the northern end of the depressed area. The site was reportedly used for the disposal of classified waste (Trial C-990) residues. In 1993, warning signs were placed in the area to control the site. A Phase II RFI is underway.



Site Type:	Landfill
Legal Driver:	Corrective Action
Contaminants of Concern:	Metals
Media of Concern	Soil
RRSE Rating:	3A
Completed IRP Phase to Date:	RFA, IRA, Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

DISPOSAL AREA, JCT LIMA AND DOWNWIND EAST ROADS, DOWNWIND GRID (DPG 025):

0.4-acre site of soil mound (50 ft diameter, <1 ft high) located in the Downwind Grid area, active 1950 to 1955. The site was reportedly used to dispose red and white phosphorus residues. In 1993, warning signs were placed in the area to control the site. Hand auger and test pit samples contained phosphorus at levels below the background tolerance value. Following Phase I RFI, a new location for DPG-25 was found. This new location will be investigated during Phase II.



Site Type:	Landfill
Legal Driver:	Corrective Action
Contaminants of Concern:	None
Media of Concern	None
RRSE Rating:	Not Evaluated. Data to Evaluate Site being Collected During Phase II RFI
Completed IRP Phase to Date:	RFA; IRA; Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

SURFACE WASTE DISPOSAL SITE, HORIZONTAL GRID (DPG-028):

1.2-acre site of numerous debris piles located in the All Purpose Grid area, active 1940's to 1950's. The site reportedly contained debris generated in nearby test areas, including debris from the biological testing grid. Over 108.4 tons of debris was removed under a base contract in 1993, including vertical riser rail cars, tower sections, remnants of a B-29 fuselage, M-11 gas mask canisters, 55-gallon drums, bomb casings, sampling pipes, and other assorted metal and wood scrap. Approximately 20.4 tons of salvageable metal scrap was transported to the DRMO and the remaining 88 tons were disposed of at the DPG landfill. Approximately 2 cubic yards of soil were removed in 1999. Based on sampling results, no further action under the IRP is recommended.



SWMU 28, before removal action



SWMU 28, after removal action



SWMU 28, waste pile



SWMU 28, waste pile

Site Type:	Surface Disposal Area
Legal Driver:	Corrective Action
Contaminants of Concern:	None
Media of Concern	None
RRSE Rating:	2A
Completed IRP Phase to Date:	RFA, IRA, Phase I RFI, Response Complete under the IRP Sept. 1998
Current IRP Phase:	Response Complete under the IRP Sept. 1998
Future IRP Phase:	None

Recommendation for future response: No further action under the IRP is recommended.

SURFACE WASTE DISPOSAL SITE, HORIZONTAL GRID (DPG-028) (Continued):



SWMU 28, waste pile



SWMU 28, waste pile



SWMU 28, waste pile

SURFACE WASTE SITE, X-RAY ROAD, ALL-PURPOSE GRID (DPG-029):

Abandoned metal landing mats adjacent to approximately 2.5 miles of X-Ray Road. Located between Horizontal Grid and Wig Mountain. The landing mats were originally located in the V-Grid area and were brought to this location to be used as a road in this topographically low area during the 1940s and 1950s. The metal matting was removed through a base contract in 1993 and disposed of as F999 waste. Based on sampling results and chemical agent monitoring, no further action under the IRP is recommended.



Site Type:	Surface Disposal Area
Legal Driver:	Corrective Action
Contaminants of Concern:	None
Media of Concern	None
RRSE Rating:	Not Evaluated
Completed IRP Phase to Date:	RFA; IRA; Phase I RFI; Response Complete under the IRP March 1998
Current IRP Phase:	Response Complete under the IRP March 1998
Future IRP Phase:	None

Recommendation for future response: No further action under the IRP is recommended.

EMPTY FUEL OIL TANKS AT WIG MOUNTAIN (DPG-030):

Based on analytical results this site has been administratively closed by UDEQ.



Site Type:	Surface Disposal Area
Legal Driver:	Consent Order
Location	South of Wig Mountain, Empty Fuel Oil Tank Site
Dates of Operation	
General Size of Dimensions	120 ft. by 55 ft.
Contaminants of Concern:	VOCs, BNA, TPH, and Metals
Media of Concern	Soil
RRSE Rating:	3A
Completed IRP Phase to Date:	PA/SI, Nature and Extent Investigation, Closure
Current IRP Phase:	Response Complete May 1995
Future IRP Phase:	None

Recommendation for future response: Closed Module 1, May 1995

WASTE BURIAL SITE, NORTH WIG MOUNTAIN (DPG-031):

Suspect unlined landfill in the form of a 0.9-acre partially backfilled trench. The site is located in the All Purpose Grid area and was active 1950's to 1960's. Although the exact type and amount of waste disposed at this site is unknown, it is reported to contain refuse such as metal and scrap. In 1993, warning signs were placed in the area to control the site. During Phase I activities, an area of disturbed ground (50 ft by 150 ft) was noted on the west side of Cherait Road. However, this did not conform to historical descriptions of the landfill site. No sampling of this disturbed ground was performed. The correct location has now been identified. A Phase II RFI is underway.



Site Type:	Landfill
Legal Driver:	Corrective Action
Contaminants of Concern:	Unknown
Media of Concern	Unknown
RRSE Rating:	3A
Completed IRP Phase to Date:	RFA; IRA; Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

DUMP SITE, SW OF BAKER LABORATORY (DPG-032):

3.6-acre site of six distinguishable unlined trenches, four mounds, four debris piles, a 500 sq ft area having little or no vegetation, and a drum storage area located in the Baker area, active 1950's to 1960's. The site is reported to contain wastes from Baker activities, including autoclaved lab materials and wastes, animal cages, incinerator ash, melted glass, burnt materials, demilitarization materials, steel piping, and construction materials. Warning signs were placed at the site in 1993. During Phase I activities, IMPA was detected in all three wells, including the background well. This fact, coupled with non-detection of IMPA in on-site soil samples, suggests that DPG-032 may not be the source of IMPA in the groundwater. A Phase II RFI is underway.



Site Type:	Landfill
Legal Driver:	Corrective Action
Contaminants of Concern:	Metals, IMPA, Biological Agents
Media of Concern	Groundwater
RRSE Rating:	1A
Completed IRP Phase to Date:	RFA; IRA; Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

SEWAGE LAGOON, NORTH OF BAKER LABORATORY (DPG-033):

DPG-033, also known as the Old Baker Sewage Lagoon, is an engineered structure located on gently sloping ground at the north end of the Baker Area. This site included the sewage lagoon with a concrete spillway and an outfall area. The lagoon was used for disposal of sanitary and laboratory wastes from various facilities in the Baker Area. These facilities include a biological laboratory, change house, decontamination buildings, storage building, boiler house, and the munitions cold storage and loading buildings. The sewage from these facilities was previously routed through a treatment plant and then to the lagoon through an underground pipeline. Solids were allowed to settle out in the lagoon and the liquids were allowed to percolate into the soil or to evaporate. Warning signs were placed at the site in 1988. Wastewater from the source facilities is currently discharged directly to the new sewage lagoon, which was completed in 1997. Remedial activities occurred in 2000. The settled solids were removed and disposed as hazardous waste. The abandoned pipelines leading from the source facilities were also removed. Precipitation and infiltrating groundwater frequently discharge into the old sewage lagoon. Groundwater monitoring has been conducted at DPG-033 since 1996. In 2001, groundwater monitoring was reduced from semiannual to annual. The closure report is currently being reviewed by UDEQ. No future groundwater monitoring is proposed.



Site Type:	Surface Impoundment/Lagoon
Legal Driver:	Consent Order
Location	Baker Laboratories Area, Sewage Lagoons
Dates of Operation	From 1975 to 1998
General Size of Dimensions	Approximately 27,300 Sq. Ft. (0.63 Acres)
Contaminants of Concern:	VOCs, Metals, Reactivity
Media of Concern	Soil and Groundwater
RRSE Rating:	1A (High with Regulatory Agreement)
Completed IRP Phase to Date:	PA/SI; IRA; RD/RA
Current IRP Phase:	Groundwater Monitoring Per Consent Order until closure approved
Future IRP Phase:	Site Closeout

Recommendation for future response: Complete risk based closure; if necessary, apply for post closure permit to address future groundwater monitoring

BOILER BLOWDOWN POND, EAST OF BAKER LABORATORY (DPG-034):

DPG-034 was used for disposal of blowdown effluent from the four 2,500-gallon boilers in the Baker Area boiler house. The site consists of an unlined pond-like sump (approximately 60 ft by 10 ft by 2 ft) used to contain blowdown effluent from the boiler house and two unlined ditches used to control overflow from the sump. Warning signs were placed in 1992. Removal action occurred in 1999 with excavation of waste soil from sump, disposal at DPG landfill, and backfilling. Risk-Based Closure is recommended.

**Site Type:**

Surface Impoundment/Lagoon

Legal Driver:

Consent Order

Location

Baker Laboratories Boiler House and Drainfield

Dates of Operation

1952 to 1999

General Size of Dimensions

Approximately 60 Ft. by 10 Ft. by 2 Ft.

Contaminants of Concern:

VOC, BNA, and Metals

Media of Concern

Soil and Possibly Groundwater

RRSE Rating:

1A (High with Regulatory Agreement)

Completed IRP Phase to Date:

PA/SI; IRA; FRA-Waste Soil Removal

Current IRP Phase:

Risk-Based Closure Report Being Drafted

Future IRP Phase:

Site Closeout

Recommendation for future response:

Remediation of contaminated soil and materials has been completed. Risk-Based Closure Report is being revised. Closure is expected in 2002.

OLD BAKER SEWAGE TREATMENT SYSTEM, NORTH OF BAKER LABORATORY (DPG-035):

5-acre site of old sewage treatment/drainfield area immediately northeast of Baker, active 1944 to 1975. The site consists of a drainfield (fenced, 1.25 acres), piping to the treatment plant, a wet well, and the abandoned treatment plant itself. Effluent discharged into the sewer system included sanitary wastes, laboratory chemicals, and other liquid wastes from the Baker area. Warning signs were placed at the site in 1993. The sewage treatment plant and associated piping were not investigated during the Phase I investigation because the facilities were added to DPG-035 after the Phase I investigation. A Phase II RFI is underway.



Site Type:	Leach Field and Sewage Treatment Building
Legal Driver:	Corrective Action
Contaminants of Concern:	Metals, IMPA, Biological Agents
Media of Concern	Soil (Arsenic), Groundwater
RRSE Rating:	1A
Completed IRP Phase to Date:	RFA; IRA; Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

IMHOFF TANK/DRAINFIELD, DITTO TECH CTR (DPG-036):

DPG-036 was the primary wastewater treatment facility for the Avery, Ditto, and Michaels Army Airfield area from 1944 until it was replaced by three sewage lagoons in early 1994. Wastewater generated at the facilities in these areas was carried to DPG-036 via a 10 inch-diameter vitrified-clay sanitary sewer to an area west of Ditto and north of Stark Road. Facilities in these areas that discharged to the sanitary sewers include: an aircraft hanger, a power plant, a heavy equipment shop, gas station, a dispensary, a laundry facility, several offices, a cafeteria, and biological, chemical, and photographic laboratories. Prior removal actions consist of sludge (twice per year), and wastewater removal, both from the Imhoff tank. Warning signs were placed at the site in 1988. Since the tank's abandonment in 1994, groundwater has partially infiltrated the tank through a crack in the tank wall. Groundwater monitoring has been conducted at DPG-036 since 1996. A Remedial Design/Remedial Action to decontaminate the associated pumphouse vault and sump; remove the sludge drying bed; and demolish the aboveground portion of the Imhoff tank was completed in 2000. Cone-penetrometer and hydropunch work was performed in 2001 to better delineate the groundwater contamination plume.



Site Type:

Legal Driver:

Location

Dates of Operation

General Size of Dimensions

Contaminants of Concern:

Media of Concern

RRSE Rating:

Completed IRP Phase to Date:

Current IRP Phase:

Future IRP Phase:

Sewage Treatment Plant

Consent Order

Ditto Technical Center, Imhoff Tank and Drainfield

Used from the 1940s to 1993

Tank-48 Ft. by 27 Ft. by 22 Ft. Deep; Sludge Drying Bed-47 Ft. by 47 Ft. (removed 2000)

TCE and chlorobenzene in groundwater

Groundwater

1A (High with Regulatory Agreement)

PA/SI; IRA; RAP; RD/RA

Risk-Based Closure; Groundwater Monitoring Per Consent Order

Post-Closure Groundwater Monitoring

Recommendation for future response:

Removal of tank contents was performed in FY94. All remaining waste was removed from the site in FY01. Post-closure groundwater monitoring will be performed to address the existing contaminant plume.

IMHOFF TANK/DRAINFIELD, DITTO TECH CTR (DPG-036) (Continued):



This site was included in the ITR program. ITR recommendations included closing the Imhoff tank in-place and including agent breakdown products in the groundwater monitoring analytical suite. The closure in-place recommendation was implemented. However, the aboveground portion of the tank was removed to simplify post-closure maintenance requirements. Dugway also performed a 5-year review of the groundwater monitoring program. Due to the lack of ABP detections during Mobilizations 1, 2, and 3; in a concrete core sample collected from the tank; or in wastes removed from the site on FY01, ABP analysis during future groundwater monitoring is not necessary.

LANDFILL, WEST OF DITTO TECH CTR (DPG-037*) (INCLS DPG-087,089):

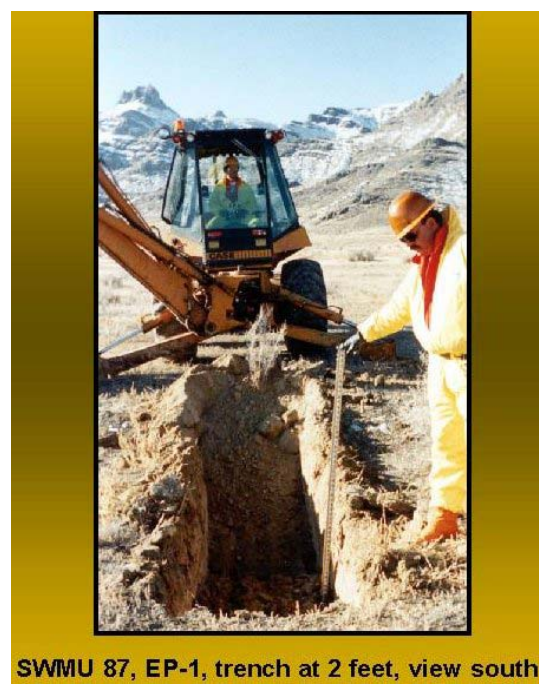
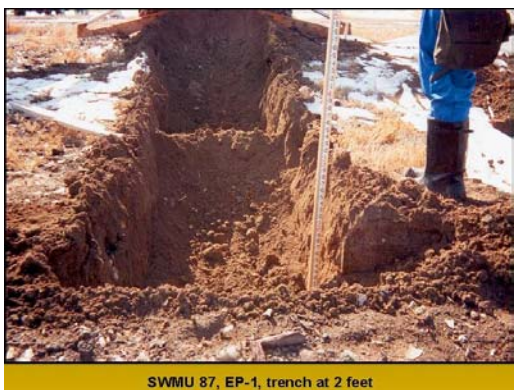
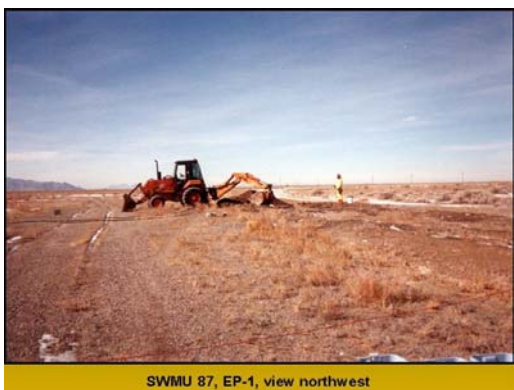
DPG-037 is an inactive landfill located approximately 1,400 ft southwest of the Ditto Technical Center. As built engineering drawings of the landfill are not available, so its dimensions are based on field measurements. Available data, including aerial photographs, indicated that DPG-037 is approximately 19-acres. Numerous soil mounds and depressions exist throughout the site, as well as several piles of ash and asphalt, a 5 ft deep trench, a small ordnance mound, and numerous trench and fill areas. Other waste and debris observed at DPG-037 include: test tubes, gas masks and filters, needles and syringes, animal bones, fire brick, plates, heat-treated glasswares, and chemical aprons. Previous investigation work has revealed waste buried below the water table. Included within DPG-037 are two small SWMUs-87 and 89, a landfill and waste pile, respectively. SWMU-87 consists of a single backfilled trench (500 ft by 30 ft) and has been backfilled to approximately 2.5 ft above grade with a mixture of soil and debris. Metals, SVOC's, and DIMP were detected in soil during Phase I investigations. SWMU-89 consists of a 200 ft by 75 ft pile of asphalt with some bricks, a coal pile (25 ft diameter), and two 5-gallon buckets of tar. Warning signs were placed at the site in 1996. Groundwater monitoring has been conducted at DPG-037 since 1996. Remedial design is recommended for this site.



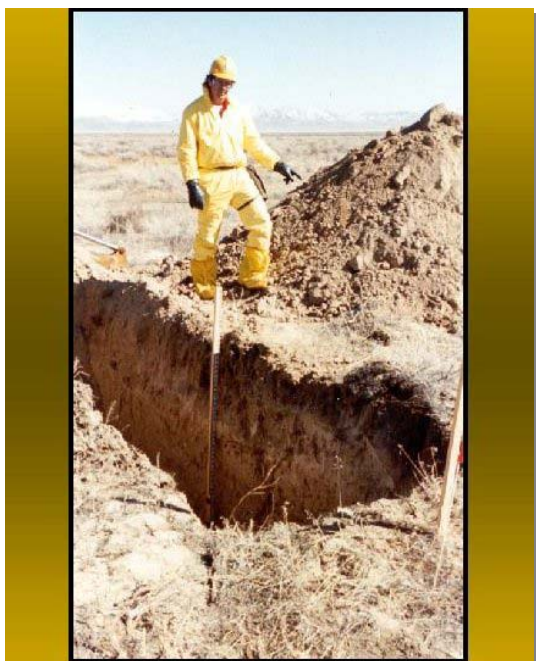
Site Type:	Landfill
Legal Driver:	Consent Order
Location	Ditto Technical Center Landfill
Dates of Operation	Used from 1940s to 1975
General Size of Dimensions	32-Acres
Contaminants of Concern:	SVOCs, VOCs, BNAs, DIMP, ABPs, Explosives, and Metals
Media of Concern	Soil and Groundwater
RRSE Rating:	1A (High with Regulatory Agreement)
Completed IRP Phase to Date:	PA/SI; IRA
Current IRP Phase:	RD; Closure Plan Submitted to UDEQ; Additional data being collected to support no-cover option; Groundwater Monitoring Per Consent Order
Future IRP Phase:	RA; Institutional Controls; Long Term Groundwater Monitoring

Recommendation for future response: Capping of the landfill area and additional groundwater monitoring may be used for closure of this site. However, DPG is currently gathering information to support a no-cover option/ groundwater monitoring for this site. Cone penetrometer and hydropunch groundwater investigation work was performed in FY01. Additional soil investigation work will occur in FY02. *Combined with DPG-087 & 089 for cleanup action.

LANDFILL, WEST OF DITTO TECH CTR (DPG-037*) (INCLS DPG-087,089) (Continued):



LANDFILL, WEST OF DITTO TECH CTR (DPG-037*) (INCLS DPG-087,089) (Continued):



SWMU 87, EP-2, trench at 6 feet, view east



SWMU 89, asphalt pile



dpg-089

This site was included in the ITR program. The ITR recommended a minimal vegetative cap that allows moisture to enter the landfill and applying risk-based principles to close the site in-place. As responded on December 14, 1999, Dugway does not concur. The water table is very shallow and the waste is currently in direct contact with groundwater. The shallow groundwater is saline. Vertical and horizontal migration of contamination in the groundwater is being investigated. In addition, Dugway is currently gathering evidence to support a variance from the closure requirements that would allow for a no-cap alternative to be implemented.

CONTAMINATED SOIL, SOUTH OF DITTO TECH CTR (DPG-038):

DPG-038 is contaminated soil associated with a decon pad located on the southwestern perimeter of the Ditto Technical Center, operational since 1986. The pad was used for decontamination of agent-simulant-contaminated vehicles, and cleaning of drums used for hazardous waste disposal. Spent decontamination solutions used at the site were taken by tank truck to DPG-07, the Brine Vats at Granite Mountain, for evaporation. Warning signs were placed at the site in 1988. The decontamination unit consists of an elevated concrete pad with a control house, an aboveground storage tank, and a pump house. The concrete decontamination pad is approximately 8 ft above grade and is accessed by dirt ramps on the west and east sides. The pad and support facilities are active and will be retained for future use. Some additional sampling and remediation of contaminated soil may be recommended for this site. Quarterly groundwater monitoring using the existing wells was performed in 2000. Semiannual groundwater monitoring was performed in 2001. In addition, cone-penetrometer and hydropunch sampling was performed in FY01 to verify the groundwater contamination plume boundary. Soil sampling to identify source areas is approved and planned for FY02.



Site Type:	Contaminated Soil
Legal Driver:	Consent Order
Location	Ditto Technical Center, Decontamination Pad
Dates of Operation	Used From 1986 to Present
General Size of Dimensions	Approximately 5-Acres
Contaminants of Concern:	VOCs, BNAs, and Metals
Media of Concern	Soil and Groundwater
RRSE Rating:	1A (High with Regulatory Agreement)
Completed IRP Phase to Date:	PA/SI; IRA
Current IRP Phase:	RD; Closure Plan Submitted to UDEQ; Groundwater Monitoring Per Consent Order; Supplemental site characterization data collection.
Future IRP Phase:	RA; Risk-Based Site Closeout; Post-Closure Groundwater Monitoring

Recommendation for future response: Cleanup of contaminated surface and subsurface soils may be required with additional groundwater monitoring.

LANDFILL, NORTH OF AVERY (DPG-039):

DPG-039 is an inactive landfill located approximately 2,300 ft northeast of the Avery Technical Center. Engineering drawings of the unit are not available, so dimensions given are based on field measurements. The small landfill covers an area that is approximately 300 ft by 600 ft and can be accessed from unimproved roadways. The disposal area, which consists of several unlined trenches, is excavated in native soil. Other features at the site are four soil mounds scattered in the vicinity of a concrete pad (60 ft by 15 ft) whose original purpose is unknown. Reportedly, hazardous materials were disposed at the landfill during the 1950s and 1960s. IRA waste removal occurred in 1992. Remedial design is underway for this site.



Site Type:	Landfill
Legal Driver:	Consent Order
Location	Avery Technical Center, Landfill
Dates of Operation	Used from the 1950s to 1985
General Size of Dimensions	4-Acres
Contaminants of Concern:	VOCs, BNAs, ABPs, Explosives, and Metals
Media of Concern	Soil and Groundwater
RRSE Rating:	1A (High with Regulatory Agreement)
Completed IRP Phase to Date:	PA/SI; IRA
Current IRP Phase:	RD; Closure Plan Submitted to UDEQ; Groundwater Monitoring Per Consent Order
Future IRP Phase:	RA; Post Closure Groundwater Monitoring

Recommendation for future response: Capping of the landfill may be used as a remediation response. Continued groundwater monitoring may also be required.

FENCED STORAGE AREA, AVERY (DPG-040):

DPG-040 is located at the southeastern end of Avery Technical Area. The 2.5-acre unit is enclosed by a metal cyclone fence and is partially paved with asphalt. A locked gate to the asphalt-concrete road is located on the northwest side of the unit. Within its boundaries are DPG-041 and DPG-184, an evaporation pond and air filtering building, respectively. Between 1960 and the early 1990s, DPG-040 was used as a surface storage area, primarily for metallic 3X material. The site also stored batteries, surplus pipe, miscellaneous trash, house trailers, an old military tank, building construction materials, and other metal/non-metal materials. During the period of operation, various items were stored in the yard and then removed. Warning signs were placed at the site in 1988. By 1990, all 3X material from the site had been removed under base contract and transported to Grassy Mountain for disposal as hazardous waste, along with other surface items. By 1994, vacuum pumps and tower sections that had since then been placed at the site and were considered 3X, were also transported to Grassy Mountain for disposal as hazardous waste. All salvageable scrap metal was transported to the DRMO, with remaining material hauled to the DPG landfill. Risk-based site closeout is recommended for this site.



Site Type:	Storage Area
Legal Driver:	Consent Order
Location	Avery Technical Center, Storage Yard/Area
Dates of Operation	Used From 1960 to 1993
General Size of Dimensions	2.5-Acres
Contaminants of Concern:	VOCs, BNAs, ABPs, PCBs, and Metals
Media of Concern	Soil and Possibly Groundwater
RRSE Rating:	1A (High with Regulatory Agreement)
Completed IRP Phase to Date:	PA/SI; IRAs
Current IRP Phase:	RI/FS - Additional sampling to complete site characterization
Future IRP Phase:	Risk-Based Site Closeout

Recommendation for future response: Limited additional concrete sampling may be required for closure of this site.

EVAPORATING POND, AVERY (DPG-041):

Site consists of a 5,800 sq ft evaporation pond with an asphalt liner and the associated liquid waste disposal and treatment system. This includes treatment tanks and the buried pipes associated with the operations. The site is located in the Avery technical area and was active from the early 1950's to the 1960's. Reportedly, radioactive decontamination water effluent discharge into the pond. A 3,600-curie cobalt-60 radioactive source was also present at the Avery facility. Based on metal (and possible radionuclide) contamination findings during Phase I activities, a Phase II RFI is underway.



Site Type:	Surface Impoundment/Lagoon and associated piping and tanks
Legal Driver:	Corrective Action
Contaminants of Concern:	Metals, VOCs, SVOCs, pH, Radionuclides
Media of Concern	Soil (Arsenic), Groundwater
RRSE Rating:	1A
Completed IRP Phase to Date:	RFA; Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

CONTRACTOR LANDFILL, ENGLISH VILLAGE (DPG-042):

DPG-042 is an inactive landfill located south of English Village that operated from the mid-1960s until the early 1980s. The unit currently includes several soil and debris piles. The largest pile, at the south end of the unit, measures approximately 100 ft by 220 ft. Prior to its use as a landfill, the site was an oxidation pond for sewage and stormwater runoff from English Village from 1951 until 1964. The oxidation pond received treated wastewater from the English Village Sewage Treatment Plant. Upon ceasing operations, the sludge that remained in the lagoon and part of the berm were moved to allow better access to the landfill. Warning signs were placed at the site in 1992. Groundwater monitoring has been conducted at DPG-042 since 1996. Trenching activities were conducted in 2000 to better determine the contents and extent of the landfill. Trenching concluded that the landfill cell is located under the asphalt rubble, south of the suspected location. A soil gas investigation was then performed in 2001 to augment the trenching activities, verify the adequacy of the groundwater monitoring network, and better assess remedial options. Remedial design is underway for this site.



Site Type:	Landfill
Legal Driver:	Consent Order
Location	South of English Village, Landfill
Dates of Operation	Used From 1952 to 1964 as a Sewage Oxidation Pond; and From 1964 to the 1980's as a Landfill
General Size of Dimensions	6.4-Acres
Contaminants of Concern:	VOCs, BNAs, ABPs, Explosives and Metals
Media of Concern	Soil and Groundwater
RRSE Rating:	1A (High with Regulatory Agreement)
Completed IRP Phase to Date:	PA/SI
Current IRP Phase:	RD; Closure Plan Submitted to UDEQ; Groundwater Monitoring Per Consent Order
Future IRP Phase:	RA; Possible Risk-Based Site Closeout; Post-Closure Groundwater Monitoring

Recommendation for future response: Capping of hazardous materials sites may be used as a remediation response, with continued groundwater monitoring.

This site was included in the ITR program. The ITR recommended using only wells screened at comparable elevations to prepare potentiometric maps. Dugway took this concern and performed an in depth review of monitoring well bore logs for the site. This review revealed that while 042-MW01 is adequate as a background well, 042-MW03 may not be adequate as a downgradient well. Dugway is taking a closer look at the downgradient monitoring network at the site.

The ITR also recommended that risk-based closure principles be applied to close the site in-place. Dugway did not occur with this recommendation. The Dugway position is based on both Utah Administrative Code R315-101 and Appendix C of the ITR report. According to these references, DPG-042 would not be eligible for risk-based closure unless all hazardous waste is removed.

OLD LANDFILL AT ENGLISH VILLAGE (DPG-043):

DPG-043, known as the Old English Village Landfill, is located approximately 1.5 miles south of English Village. There are numerous gravel and dirt roads throughout the 70-acres site, including two east-west roads that run along the northern boundary and approximately through the center of the site. DPG-043 was in operation from the early 1950s to 1987 and is currently inactive. It was used to manage miscellaneous refuse from all DPG areas and was the primary landfill for English Village. Other major waste generators included the Avery, Ditto, and Baker areas, with significant minor contributions from the Carr Facility and Michaels Army Airfield. Due to the nature of services and testing at these facilities, it is possible that hazardous wastes have been disposed at this landfill. Typical materials included biological and chemical wastes, oil cans, test area refuse, fly ash from the Baker incinerator and sludge from the English Village Gas Station Sump. Surface features of the landfill include numerous linear trenches, soil and debris piles, with some protruding sanitary and household waste. In addition there is a large pile of asphalt rubble, and an asbestos disposal area located within the landfill. Warning signs were placed at the site in 1992. Groundwater monitoring has been conducted at DPG-043 since 1996. Remedial design is underway for this site.



Site Type:	Landfill
Legal Driver:	Consent Order
Location	South of English Village, Landfill
Dates of Operation	Used from 1952 to 1987
General Size of Dimensions	70-Acres (Encompassing Numerous Trenches)
Contaminants of Concern:	VOCs, BNAs, ABPs, Explosives, and Metals
Media of Concern	Soil and Groundwater
RRSE Rating:	1A (High with Regulatory Agreement)
Completed IRP Phase to Date:	RA/SI; IRA
Current IRP Phase:	RD; Closure Plan Submitted to UDEQ; Groundwater Monitoring Per Consent Order
Future IRP Phase:	RA; Post-Closure Groundwater Monitoring

Recommendation for future response: Capping of this landfill may be used as a remediation response, with continued groundwater monitoring.

This site was included in the ITR program. The ITR recommended using suction lysimeters to determine whether leachate is from the landfill cells. Dugway has requested clarification regarding this recommendation. In the final ITR report no clarification was added.

The ITR also recommended that risk-based closure principles be applied to close the site in-place. Dugway did not occur with this recommendation. The Dugway position was based on both Utah Administrative Code R315-101 and Appendix C of the ITR report. According to these references, DPG-043 would not be eligible for risk-based closure unless all hazardous waste is removed. At present, all site characterization activities have been outside the disposal areas. Dugway is not prepared to make a decision to close the site in place using risk-based closure when the source areas have been excluded from the site characterization.

OLD SEWAGE TREATMENT PLANT, ENGLISH VILLAGE (INCLS DPG-068) (DPG-044):

Abandoned sewage treatment works located in the English Village area, active 1952 to 1964. DPG-044 and 068 have been combined in the Dugway RCRA Part B permit due to their proximity and interrelationship. The treatment works includes a treatment plant, a digester, a clarifier, buried piping, and two sludge-drying beds. Formerly, the system was comprised of a sedimentation basin, a chlorination contact chamber, an evaporation/oxidation pond, and a digester. After digestion, sewage was transported via two open ditches approximately two miles to the evaporation pond. No information is available regarding any prior IRAs for this site. These ditches were not sampled during Phase I activities. A Phase II RFI is recommended. As part of the Phase II RFI activities, DPG is considering an interim removal of the material inside the digester.

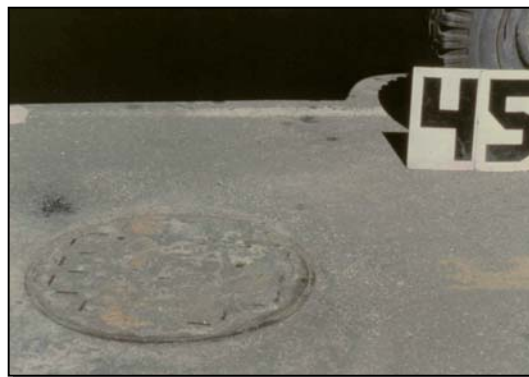


Site Type:	Sewage Treatment Plant
Legal Driver:	Corrective Action
Contaminants of Concern:	VOCs, SVOCs, and Metals
Media of Concern	Soil and Groundwater
RRSE Rating:	1A
Completed IRP Phase to Date:	RFA, Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	Possible CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

SUMP, FAC ENGR AREA, ENGLISH VILLAGE AREA (DPG-045):

DPG-045 was a paint shop sump which received wastewater containing paint, paint thinner, and other solvents discharged from the paint shop. Use of the drain began in 1951 and was discontinued in 1986. The sump was emptied in 1993. At that time, a french drain was discovered. A closure plan was submitted to UDEQ in March 1996. UDEQ is requesting that the associated french drain be investigated. Additional Nature and Extent Investigation and RD/RA are possible.



Site Type:	Waste Treatment Plant
Legal Driver:	Corrective Action
Contaminants of Concern:	VOCs, SVOCs, and Metals
Media of Concern	Soil and Groundwater
RRSE Rating:	Not Evaluated
Completed IRP Phase to Date:	RFA, IRA
Current IRP Phase:	Additional Nature and Extent Investigation Requested by UDEQ
Future IRP Phase:	Possible RD/RA; Risk-Based Site Closeout
Recommendation for future response:	Future remediation response cannot be determined until completion of Nature and Extent Investigation.

SHOP SUMP & DRY WELL, MAINTENANCE AREA, ENGLISH VILLAGE (DPG-046):

DPG-046 is an in-ground waste oil disposal sump for Building 5470 that consists of a two-chambered concrete tank with a concrete base. A concrete partition separates the two chambers. The sump is connected to Building 5470 by an underground 5-inch diameter cast-iron pipe that empties into the northern chamber, which is closest to the building. This pipe was previously connected to a floor drain in the steam room. The sump was used for the disposal of waste oils, grease, battery acid, degreaser solvents, and other petroleum products generated during various vehicle maintenance activities. In 1990, the drain was sealed with cement to prevent inflow to the sump, and all wastes were removed from the chambers. Site access control measures have been on-going dating back from 1988-1993. In 1993, cracks in the concrete chamber of the sump were repaired. Presently, the sump is no longer in use with inlet and outlet piping plugged. UDEQ is requesting that the associated dry well be investigated. During building reconnaissance in advance of dry well sampling, two additional dry wells were discovered. The three wells are now being identified as 46A, 46B, and 46C. Supplemental site characterization will occur in 2002. Possible RD/RA is recommended.



Site Type:	Disposal Pit/Dry Well
Legal Driver:	Consent Order
Location	English Village, Maintenance Shop Sump and Dry Well
Dates of Operation	Used From 1970s to 1990
General Size of Dimensions	Approximately 50 Ft. by 50 Ft.
Contaminants of Concern:	VOCs, BNAs, TPH, and Metals
Media of Concern	Soil and Possibly Groundwater
RRSE Rating:	2A (Medium with Regulatory Agreement)
Completed IRP Phase to Date:	PA/SI; IRA
Current IRP Phase:	RI/FS to complete Nature and Extent Investigation
Future IRP Phase:	Possible RD/RA; Risk-Based Closure
Recommendation for future response:	No major contamination has been detected in field investigations to date. However, investigation and possible removal of dry wells and/or contents may be required for closure of this site based upon results of the supplemental site investigation.

SEWAGE LAGOONS, SOUTH OF FRIES PARK (DPG-047):

DPG-047 consists of two bentonite lined oxidation ponds that received untreated domestic and industrial wastewater, including possible hazardous wastes. The ponds overflow was through a shallow ditch to an adjacent low area for evaporation and percolation. The system received wastes from English Village and Fries Park areas. Groundwater monitoring has been conducted at DPG-047 since 1996. In 2000, sampling was conducted to characterize the dried sludge, clay liner, and underlying soils. It is estimated 10,305 cubic yards of biosolids exist within the two cells. Remedial alternatives are being developed. Possible RD/RA are recommended for this site.



Site Type:	Sewage Treatment System
Legal Driver:	Consent Order
Location	South of Fries Park, Sewage Lagoons
Dates of Operation	Used from 1963 to 1984
General Size of Dimensions	Lagoon is Approx. 600 Ft. by 3,000 Ft., Discharge Pond is 200 Sq. Ft.; Various Components of DPG-047 Area are Within 187-Acres; However Only Portions of the Total Area Comprise the SWMU
Contaminants of Concern:	Arsenic, PAHs, and ABPs
Media of Concern	Soil and Groundwater
RRSE Rating:	1A
Completed IRP Phase to Date:	PA/SI
Current IRP Phase:	Nature and Extent Investigation; Groundwater Monitoring Per Consent Order; RD
Future IRP Phase:	RA

Recommendation for future response: Future remediation response may include biosolids removal upon completion of Nature and Extent Investigation.

3X STORAGE AREA, FRIES PARK (DPG-048):

In operation since 1950, DPG-048 is located in the portion of Fries Park that was utilized for logistical activities and storage of materials and equipment, including DS-2 agent decontamination solution and unused agent samplers. DPG-048 has been used for the storage of waste petroleum, oil, lubricants, glycol, solvents, paints, transformers containing PCBs, nickel-cadmium batteries, asbestos-contaminated material, 3X material and other equipment used at DPG. The waste materials have been stored either directly on the gravel-covered ground surface or in various containers that were also placed directly on the gravel. All stored material and equipment was removed by 1993. IRAs consisted of site controls (warning signs) in 1996, and pipe removal in 1999. Approximately 500 linear feet of vitrified clay pipe was removed and disposed at the DPG landfill. In 2001, a RAP for the removal of PCB and ABP contaminated soils was approved by EPA Region 8 and DSHW and executed. Risk-Based site closeout is being considered for this site.



Site Type:	Storage Area
Legal Driver:	Consent Order
Location	Fries Park, Storage Area
Dates of Operation	Used from 1960s to 1993
General Size of Dimensions	2-Acres
Contaminants of Concern:	ABPs and PCBs
Media of Concern	Soil
RRSE Rating:	1A (High with Regulatory Agreement)
Completed IRP Phase to Date:	PA/SI; IRA
Current IRP Phase:	IRA; Closure Plan Submitted to UDEQ; RD/RA
Future IRP Phase:	Site Closeout

Recommendation for future response:	Risk-Based Closure or closure under TSCA Self-Implementation rule
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PCB STORAGE HUT, FRIES PARK (DPG-049):

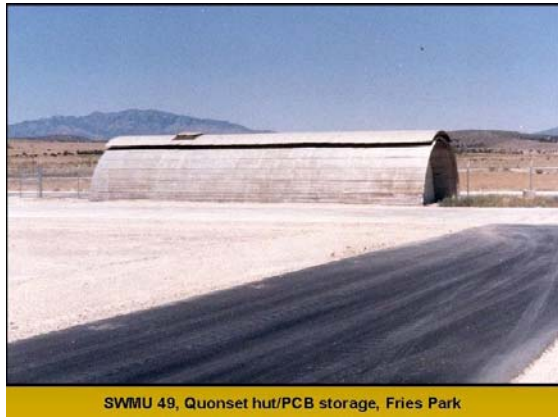
600-sq ft metal building (Quonset hut) located in English Village, active 1980 through present. The building has a concrete floor and an interior concrete berm. It is a secure (lockable) building located within a fenced hazardous waste site. The unit is regulated under TSCA; PCB-containing materials are stored in the hut (no treatment or disposal) prior to off-site disposal. Based on site observations, interviews, and sampling results obtained by DPG personnel in 1994, additional sampling was not considered necessary. No further action under DSERTS is recommended. A modification in 2001 to the DPG RCRA Part B Permit shifted any future site clean-up responsibilities from IRP to the environmental compliance office.



SWMU 49, Quonset hut/PCB storage, Fries Park



SWMU 49, Quonset hut/PCB storage, Fries Park



SWMU 49, Quonset hut/PCB storage, Fries Park

Site Type:	Storage Area
Legal Driver:	Corrective Action
Contaminants of Concern:	None
Media of Concern	None
RRSE Rating:	Not Evaluated
Completed IRP Phase to Date:	RFA, Phase I RFI
Current IRP Phase:	Response Complete June 1994
Future IRP Phase:	None

Recommendation for future response: Active Site, not eligible for DERA funding.

DISPOSAL AREA, NE CAMELS BACK RIDGE (DPG-050):

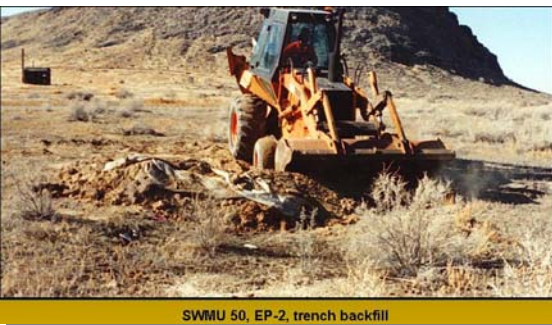
2-acre site of an unlined trench, a pit, and a disturbed area located in Tower Grid area, active 1940's to 1950's. Reportedly, animal carcasses and contaminated munitions and materials were disposed in the landfill. Since no detections of suspect contaminants were made during Phase I activities, it is likely that either the reports were incorrect or the site was not accurately located. No further action is recommended.



SWMU 50, landfill



SWMU 50, EP-1, trench at 2 feet



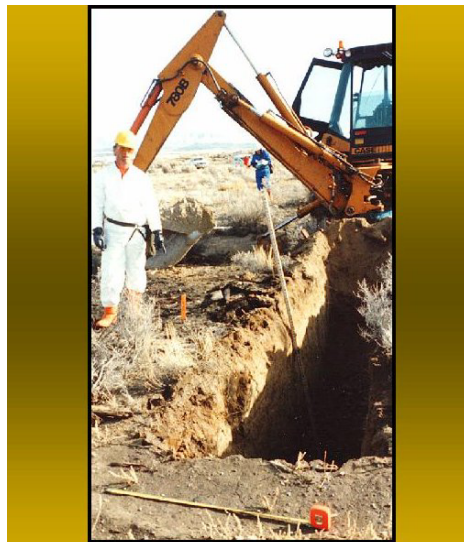
SWMU 50, EP-2, trench backfill



SWMU 50, landfill



SWMU 50, site photo



SWMU 50, trench at 8 feet, HA mark left of trench

Site Type:	Landfill
Legal Driver:	Corrective Action
Contaminants of Concern:	None
Media of Concern	None
RRSE Rating:	Not Evaluated
Completed IRP Phase to Date:	RFA, Phase I RFI
Current IRP Phase:	Response Complete under the IRP Sept. 1998
Future IRP Phase:	None
Recommendation for future response:	No further action under the IRP is recommended.

EVAPORATION POND, AT DEFENSE TEST CHAMBER (DPG-051):

DPG-051, constructed in 1972, is a shallow impoundment used to dispose of liquids from the test chamber and decontamination system, located southwest of the Carr Facility. The unit was last used in the 1980s, after which it was retrofitted to include a double liner and a leachate detection system. However, after retrofitting the unit, the Army determined that pond operations would cease. The unit received decontamination solutions from the neutralization of chemical agents that were used in the test chamber, including GA, GB, GD, HD, HL, L, VX, CK, and AC. The decontamination solutions may have contained sodium hydroxide, HTH, sodium hypochlorite, soda ash, monoethanolamine, or nitric acid. In addition, site control measures (i.e., warning signs and fence) were placed at the unit. Groundwater monitoring has been conducted at DPG-051 since 1996. In response to the 1998 Notice of Violation, the observation sump was emptied and decontaminated in Feb 2001. HydroPunch work was then completed in August 2001 to assist in evaluating the existing groundwater monitoring network. DSHW and DPG agreed not to install additional groundwater wells at this time. Remedial design is recommended for this site.



Site Type:	Surface Impoundment/Lagoon
Legal Driver:	Consent Order
Location	Defense Test Chamber, Evaporation Pond
Dates of Operation	Used from 1972 to 1990
General Size of Dimensions	Approximately 150 Ft by 150 Ft by 15 Ft Deep General Size or Dimensions: Approximately 150 Ft by 150 Ft by 15 Ft Deep
Contaminants of Concern:	VOCs, BNAs, ABPs, and Metals
Media of Concern	Soil and Groundwater
RRSE Rating:	2A (Medium with Regulatory Agreement)
Completed IRP Phase to Date:	PA/SI; IRA
Current IRP Phase:	Closure Plan Submitted to UDEQ; RD/RA; Groundwater Monitoring Per Consent Order
Future IRP Phase:	Risk-Based Site Closeout; Post-Closure Groundwater Monitoring
Recommendation for future response:	Work plans are in development for additional soil investigation activities at this site. Removal of the sump at this unit may be required for closure, with continued groundwater monitoring.

WASTE BURIAL SITES, SE OF CARR (DPG-052):

Landfill in the Carr area, 2-acres, active during the 1940's. The disposal area includes seven backfilled trenches, several soil mounds, a former German bomb storage area, and munitions debris. Surface debris was removed under a base contract in 1993. The debris removed consisted of empty WWII German bombs, empty 55-gallon fog oil drums, munition debris, and miscellaneous debris. Approximately 6.5 tons of empty drums were hauled to the DRMO, 25 tons munition debris and empty bombs were disposed as F999 waste at the Grassy Mountain facility, and the remaining 4 tons of debris was taken to the DPG landfill. Phase I activities were deferred upon discovery of a chemical agent-containing UXO, which was subsequently destroyed on-site. A Phase II RFI is underway.

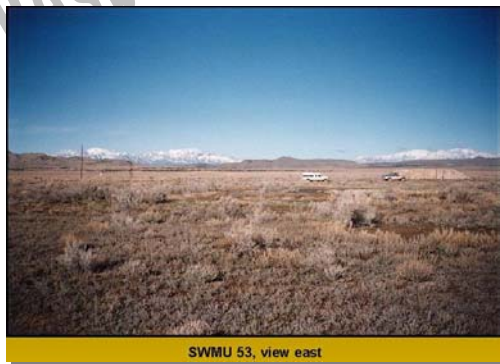


Site Type:	Landfill
Legal Driver:	Corrective Action
Contaminants of Concern:	Chemical Agents, UXO
Media of Concern	Groundwater and Soil
RRSE Rating:	1A
Completed IRP Phase to Date:	RFA, IRA, Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

WASTE BURIAL SITES, DURAND ROAD (DPG-053):

0.6-acre suspected landfill site in the Carr area, active 1940's to 1950's. Wastes reportedly disposed in DPG 053 include chemical agents and chemical agent-contaminated materials. Because no suspect contaminants were detected during Phase I activities, there is uncertainty that the site was correctly located. A Phase II RFI is recommended, contingent upon discovery of a more accurate location.



SWMU 53, view east



SWMU 53, trench investigation, 12/4/92

Site Type:	Landfill
Legal Driver:	Corrective Action
Contaminants of Concern:	Unknown
Media of Concern	Unknown
RRSE Rating:	Not Evaluated
Completed IRP Phase to Date:	RFA; Phase I RFI
Current IRP Phase:	Response Complete under the IRP March 1998
Future IRP Phase:	None

Recommendation for future response: No further action recommended unless site is found.

DISPOSAL AREA(S), EAST OF CARR (DPG-054):

Landfill in the Carr area of approximately 9.5-acres, active 1960's to 1970's. The disposal area consists of three unlined backfilled trenches, reported to contain chemical agent-contaminated materials, including munitions. Phase I activities were deferred upon discovery of chemical UXO scattered on the surface. Phase II RFI field activities have completed the site characterization.



Site Type:	Landfill
Legal Driver:	Corrective Action
Contaminants of Concern:	Chemical Agents, UXO
Media of Concern	Soil
RRSE Rating:	1A has been Assigned Based on Visual Contamination of Agent-Filled Rockets
Completed IRP Phase to Date:	RFA, Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

3X DISPOSAL SITE, EAST OF CARR (DPG-055):

DPG-055 is an inactive landfill located approximately 1 mile southeast of the Carr Facility. The site consists of two parallel trenches, each with approximate surface dimensions of 400 ft by 70 ft. The landfill was used from 1943 to 1985. The waste cells were constructed by excavating elongated trenches of unknown depth into the native soil. Wastes were placed in the trenches and then covered using the excavated soil from the immediate area. Wastes disposed at DPG-055 include items contaminated with chemical agents: Sarin [GB], mustard [HD], and nerve agent [VX], drums of DMP/polymers, and residues from agent decontamination procedures. Warning signs were placed at the site in 1992. Groundwater monitoring has been conducted at DPG-055 since 1996. Plans are in development for additional groundwater and soil investigations at this site followed by remedial design and remedial action.



Site Type:	Landfill
Legal Driver:	Consent Order
Location	East of Carr Facility, Waste Pile, Landfill
Dates of Operation	Used from 1943 to 1985
General Size of Dimensions	4.5-Acres
Contaminants of Concern:	VOCs, BNAs, CWA, ABPs, Pesticides, PCBs, and Metals
Media of Concern	Soil and Groundwater
RRSE Rating:	1A (High with Regulatory Agreement)
Completed IRP Phase to Date:	PA/SI; IRA
Current IRP Phase:	Closure Plan Submitted to UDEQ; RD/RA; Groundwater Monitoring Per Consent Order
Future IRP Phase:	Post-Closure Groundwater Monitoring

Recommendation for future response: Capping of landfill material may be required for closure of this site. Continued groundwater monitoring may also be required.

DETONATION CRATERS, TRENCH, DEBRIS PILES, AND FORMER STORAGE SITE EAST OF CARR (DPG-056):

10.4-acre site of waste piles located in the Carr area, active during the 1970's. Disposal area consisted of eight detonation craters, a backfilled trench (with another trench suspected), as well as former piles of debris. In 1993, removal of 145 tons under base contract consisted of 105-mm shell-casings, propellant charge cans, and lids taken to the DRMO, as well as miscellaneous debris taken to the DPG landfill. DIMP was detected in soil samples from four detonation craters. A nearby pile of illumination flare debris was not identified in RFA but is being investigated in conjunction with this site. The illumination flare debris is referred to as DPG-056B. Test pitting in the area lead to the discovery of buried waste. A Phase II RFI is underway.



Site Type:	Former Storage Area
Legal Driver:	Corrective Action
Contaminants of Concern:	Chloroform, DIMP
Media of Concern	Groundwater and Soil
RRSE Rating:	2A
Completed IRP Phase to Date:	RFA, IRA, Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

LANDFILL, EAST OF CARR (DGP- 057) (INCLUDED in DPG-079):

Now known as DPG-079.

EVAPORATION POND, CARR (DPG-058):

DPG-058 is an inactive surface impoundment which had previously been used for evaporative disposal of decontaminated toxic waste solutions generated by various facilities, including the Toxic Agent Transfer Building in the Carr Facility. DPG-058 was originally constructed in 1972.

The original pond was a shallow impoundment (approximately 150 ft by 150 ft by 4 ft deep) at the bottom of a large excavated area. The unit was last used in 1986, after which it was retrofitted to include a double liner and a leachate collection system. The retrofitted unit had reportedly been used periodically until approximately 1991.

Warning signs and fencing were placed at the site in 1988. Groundwater monitoring has been conducted at DPG-058 since 1996. In response to the 1998 Notice of Violation, the observation sump was emptied and decontaminated in Feb 2001.

Remedial design is underway for this site.



Site Type:	Surface Impoundment/Lagoon
Legal Driver:	Consent Order
Location	Carr Facility, Bldg 3445, Evaporation Pond
Dates of Operation	Used from 1965 to 1990
General Size of Dimensions	1-Acre
Contaminants of Concern:	VOCs, BNAs, ABPs, and Metals
Media of Concern	Soil and Groundwater
RRSE Rating:	1A (High with Regulatory Agreement)
Completed IRP Phase to Date:	PA/SI; IRA
Current IRP Phase:	Closure Plan Submitted to UDEQ; RD/RA; Groundwater Monitoring Per Consent Order
Future IRP Phase:	RA; Post Closure Groundwater Monitoring
Recommendation for future response:	Work plans are in development for additional soil and groundwater investigation activities at this site. Remediation of contaminated soil and groundwater may be required at this prior to closure. Removal of the sump at this unit may also be required for closure. Continued groundwater monitoring during post-closure is also anticipated.

This site was included in the ITR program. The ITR recommended a more structured approach to establish DQOs during future investigation work. Dugway concurs with this recommendation. A technical planning meeting was held prior to developing the work plan for additional site characterization. The ITR also recommended that the site investigation not proceed until standard operating procedures for possible/probable agent contamination areas are developed. Dugway concurs and has developed appropriate procedures.

PAD 7/3X STORAGE AREA, CARR (DPG-059):

Located north of Carr facility, at the end of North Road, DPG-059 was primarily utilized for temporary storage of material, equipment, soil, and waste debris that had been exposed to chemical or biological agents and decontaminated to the 3X level. Other items stored at DPG-059 included spent decontamination solutions in drums, laboratory materials and equipment, materials and equipment from range activities, munitions and other miscellaneous items. The square-shaped site of approximately 800 ft by 800 ft had been active from 1969 to 1998. IRAs included placement of site control measures (8-ft high barbed wire fence and warning signs), removal of all 3X materials, and a soil treatment and removal action in 1998. During that time approximately 600–800 cubic yards of ABP contaminated “Red Dirt”, which had been stored in three separate piles, were treated for F999 disposal under a base contract. Treatment consisted of a shaker device to loosen and break up soil clumps, followed by decontamination fluid spraying operations. The F999 waste soil was then transported to Grassy Mountain for disposal. A minimal amount of this red soil (scattered in clumps) has been noted at the site since the removal action occurred. Additional confirmation sampling was completed in 2001 to determine if risk-based site closeout or additional soil removal is necessary.



Site Type:	Storage Area
Legal Driver:	Consent Order
Location	Carr Facility, Storage Area
Dates of Operation	Used from 1969 to 1993
General Size of Dimensions	14.5-Acres
Contaminants of Concern:	VOCs, BNAs, ABPs, and Metals
Media of Concern	Soil
RRSE Rating:	1A (High with Regulatory Agreement)
Completed IRP Phase to Date:	PA/SI; IRAs
Current IRP Phase:	Nature and Extent Investigation and Confirmation Sampling
Future IRP Phase:	Possible RA; Risk-Based Site Closeout

Recommendation for future response:	Confirmation sampling did occur for risk assessment completion. Possible additional soil removal action, and risk-based site closeout as final action.
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CHEMICAL STORAGE AREA, CARR (DPG-060):

30-acre L-shaped storage area located in the Carr area, active 1950's to 1980. The site is comprised of three separate storage areas, which include numerous concrete and asphalt pads and several former buildings as well as the sewer system in Carr. The site was reportedly used to store a number of hazardous and non-hazardous materials, and as a transfer point for chemical agents used in open air testing. Because of limited knowledge of past uses of the site, very limited Phase I activities were performed. A Phase II RFI is underway.



Site Type:	Storage Area
Legal Driver:	Corrective Action
Contaminants of Concern:	VOCs, Metals, ABPs, CWA in Red Dirt Sample
Media of Concern	Soil, Groundwater
RRSE Rating:	1A
Completed IRP Phase to Date:	RFA, Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

This site was included in the ITR program. The ITR recommended that additional groundwater contamination assessment be performed. Dugway agrees with this recommendation and is in the process of reviewing data collected under the groundwater technical memorandum and completing follow-up activities to complete the groundwater assessment in the Carr area.

CONTAMINATED SOIL, CARR (DPG-061):

1.1-acre site of former landfill located in the Carr area, active prior to 1986. Contamination at this site was first noted during construction of Buildings 3242 and 3244. In 1986, over 600 cubic yards of HD-contaminated soil was excavated and moved to Pad 7 (DPG-059) under base contract. Ultimately the soil was disposed at the Grassy Mountain facility. Presently, it is not known whether contaminated fill remains in-place. Due to this limited sampling performed during Phase I activities, a Phase II RFI is underway. During the Phase II, a large plume of TCE has been discovered in the groundwater. The plume appears to be migrating cross-gradient. Additional groundwater investigation work was completed in Dec 01 to better define the extent of groundwater contamination.



Site Type:	Contaminated Soil
Legal Driver:	Corrective Action
Contaminants of Concern:	Chemical Agent HD, VOCs
Media of Concern	Soil and Groundwater
RRSE Rating:	2A
Completed IRP Phase to Date:	RFA, Phase I RFI
Current IRP Phase:	Phase II RFI, IRA
Future IRP Phase:	CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

SEPTIC TANK/DRAINFIELD, CARR (DPG-063)*:

DPG-063-1 consists of an active buried septic tank and associated leachfield that is connected only to the showers and latrines in Building 3445. The tank dimensions are 5.25 ft by 11 ft by 10 ft deep while the leachfield is approximately 50 ft wide by 100 ft in length by a minimum of 2 ft in depth. The system was reportedly used for disposal of laboratory chemicals and solvents. IRA consisted of warning signs placed at the site in 1988. In response to the 1998 Notice of Violation, the septic tank was emptied and decontaminated in Feb 2001. Supplemental sampling outside the tank is necessary to complete the Nature and Extent Investigation.

DPG-063-2 consists of an inactive septic tank (40 ft by 10 ft wide) and associated leachfield (approximately 700 ft by 500 ft) that served the remainder of the Carr Facility. The system was reportedly used for disposal of laboratory chemicals and solvents. IRA consisted of warning signs placed at the site in 1988. Additional investigation activities completed in 2000 consisted of sewer line camera survey, soil sampling along the length of the sewer line, sampling of the sewer line contents, and verifying that sludge remains in the septic tank. In 2001, the sludge was removed, the lines were sealed, and the tank was decontaminated. DSHW is requesting additional groundwater investigation based on a recent detection of TCE below the MCL in the monitoring well located in the source area (drainfield). TCE was not detected in the soil column in the drainfield.



Site Type:	Sewage Treatment Plant
Legal Driver:	Consent Order
Location	Carr Facility, Septic Tank and Leachfield
Dates of Operation	Used from 1942 to Present
General Size of Dimensions	Approximately 300 Ft by 300 Ft
Contaminants of Concern:	VOCs, BNAs, ABPs, TPH, and Metals
Media of Concern	Soil and Possibly Groundwater
RRSE Rating:	1A (High)
Completed IRP Phase to Date:	PA/SI; IRA
Current IRP Phase:	RD/RA Risk-Based Closure
Future IRP Phase:	RA; Possible Groundwater Monitoring
* This information includes the descriptions of DPG-063-1 and DPG-063-2 as a combined unit.	

Recommendation for future response: Pipeline remediation options for 63-1 are being evaluated. Groundwater monitoring may be required at this site. Confirmation sampling will likely occur for risk assessment completion. Possible soil removal, and risk-based site closeout (DPG-063-1) as final action. At 63-2, DSHW is requesting additional groundwater investigation.

WASTE BURIAL SITE, SE TOWER GRID (DPG-064):

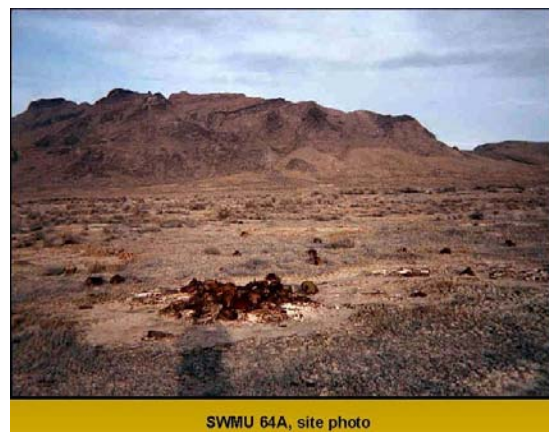
Two disposal areas (64-A & 64-B) located near the southeastern and eastern perimeter (respectively) of the Tower Grid, active 1969 to 1980's. Site 64-A is 0.1-acre in size and consists of two former piles of 5-gallon steel buckets and additional debris. A removal action in 1994 under base contract resulted in the disposal of metal buckets that had been used to contain chlorinated lime. Upon disposal as F999 waste, sampling occurred with metals detected in a relatively small area of surface soil (approximately 2,000 sq ft). It is recommended that these soils be removed and properly disposed. DPG-064B is 1-acre in size and consists of a suspect backfilled area, and surface debris such as an empty drum, a railroad tie and a few other pieces of construction debris. Removal of debris occurred in 1994. No further action under the IRP is recommended after the soil removal action at DPG-064A.



SWMU 64B, site photo



SWMU 64A, site photo



SWMU 64A, site photo

Site Type:	Landfill
Legal Driver:	Corrective Action
Contaminants of Concern:	None
Media of Concern	None
RRSE Rating:	2A
Completed IRP Phase to Date:	RFA; IRA; Phase I RFI
Current IRP Phase:	Removed from IRP Nov. 01
Future IRP Phase:	None

Recommendation for future response: No further action under the IRP is recommended

LANDFILL, WHITE SAGE FLATS (DPG-065):

10-sq mile active range site located southeast of the Carr in White Sage impact area, active since the 1940's. The site contains numerous pits, excavations, trenches, and scattered UXO. In particular, a 300 ft diameter 75-100 ft deep crater exists in the area that had resulted from a one-kiloton non-nuclear detonation. A 1993 IRA was completed under base contract in which approximately 25 tons of empty 55-gallon fog oil drums were removed, examined for contents, and disposed of at DPG landfill. The drums were riddled with bullet holes as they had been utilized for target practice. No samples have been collected to date. The excavations, pits and trenches may be investigated as part of the Phase II RFI. The site is located in an active range. Access is difficult.



Site Type:	Landfill
Legal Driver:	Corrective Action
Contaminants of Concern:	Chemical Agents, UXO
Media of Concern	Soil
RRSE Rating:	Not Evaluated, Data to evaluate may be collected under Phase II RFI
Completed IRP Phase to Date:	RFA, IRA, Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response: NFA is recommended at this time due to location and access hazards.

DISPOSAL AREA, NEAR HILL 5700 (DPG-066):

0.3-acre inactive landfill located in the Cedar Mountains foothills northwest of English Village area, active 1950 to 1965. The site consists of two partially-backfilled trenches that reportedly contain fluorescent particle (FP) and GB residues, sulfides, and P999 wastes. The northeast trench is roughly 80 ft by 30 ft, and the southwestern trench is roughly 40 ft by 30 ft. However, no detections exceeded the screening level. No further action under the IRP is recommended.



SWMU 66, waste pile



SWMU 66, trench investigation, 12/5/92



SWMU 66, HA-1, view northwest



SWMU 66, EP-1, view south



SWMU 66, EP-1, north wall of excavation

Site Type:	Landfill
Legal Driver:	Corrective Action
Contaminants of Concern:	None
Media of Concern	None
RRSE Rating:	3A
Completed IRP Phase to Date:	RFA, Phase I RFI
Current IRP Phase:	Response Complete under the IRP Sept. 1999
Future IRP Phase:	None

Recommendation for future response: No further action under the IRP is recommended.

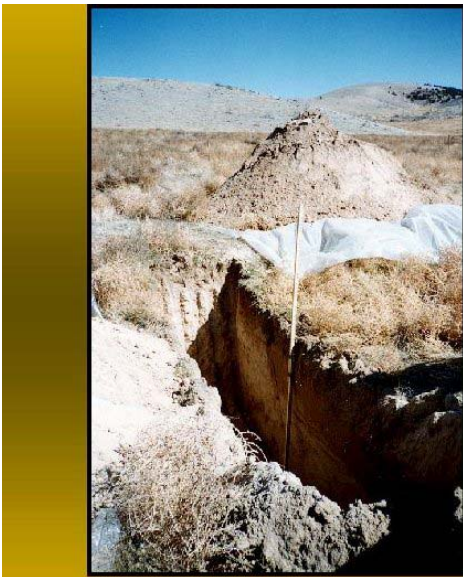
DISPOSAL AREA, NEAR HILL 5700 (DPG-066) (Continued):



SWMU 66, EP-1, soil sampling



SWMU 66, EP-2, trench at 4 feet, view north



SWMU 66, EP-2, trench at 6 feet, view northeast

LANDFILL, NORTH CEDAR MOUNTAIN (DPG-067):

DPG-067 is a landfill where approximately 2,000 sheep carcasses, that may have been contaminated with VX, were buried in March 1968. DPG-067 is now a FUDS site. No further action under the IRP.



Site Type:	Landfill
Legal Driver:	Corrective Action
Contaminants of Concern:	None
Media of Concern	None
RRSE Rating:	Not Evaluated
Completed IRP Phase to Date:	RFA
Current IRP Phase:	Response Complete under the IRP Nov. 1991
Future IRP Phase:	None

Recommendation for future response: Site is a Formally Used Defense Site (FUDS) under the U.S. Army Corps of Engineers.

OLD SEWAGE TREATMENT PLANT, ENGLISH VILLAGE (INCLS DPG-044) (DPG-068):

Included with DPG-044

POL AST AREA, ENGLISH VILLAGE (DPG-069):

POL AST Active Site, not DERA eligible. Response completed under DSERTS November 1991. A recent modification to the DPG RCRA Part B permit has clarified that any additional investigation and remediation will not be completed by IRP.

ACTIVE FRIES PARK LANDFILL, ENGLISH VILLAGE (DPG-070):

This site is the active DPG landfill located west of Fries Park. The site is an operating facility that receives non-hazardous waste. Due to its active status, this site is not DERA eligible.



Site Type:	Landfill
Legal Driver:	Corrective Action
Contaminants of Concern:	None
Media of Concern	None
RRSE Rating:	2A
Completed IRP Phase to Date:	RFA, RFI Phase I
Current IRP Phase:	None
Future IRP Phase:	None

Recommendation for future response: No further action is recommended. Active site. Not DERA eligible

SKEET RANGE, ENGLISH VILLAGE (DPG-071):

Response Complete in 1991 – Study complete, no cleanup required.



SAND AND GRAVEL PITS, ENGLISH VILLAGE (DPG-072):

Response Complete in 1991 - Study complete, no cleanup required.



HORSE STABLE, FRIES PARK (DPG-073):

Response Complete in 1991 - Study complete, no cleanup required.



TRENCH, EAST OF LITTLE GRANITE MOUNTAIN (DPG-074):

Response Complete in 1991 - Study complete, no cleanup required.



OLD FRIES PARK SEWAGE SYSTEM (DPG-075):

Site consists of former Imhoff tank, sludge drying beds, and open discharge ditch located in the English Village area, active 1950's through early 1960's. The system was used in the treatment of wastewater from the Fries Park area. The locations of the site structures were located as part of the Phase II investigation. Soil sampling under the Phase II RFI was conducted in 2001. Results pending.



Site Type:	Surface Impoundment/Lagoon
Legal Driver:	Corrective Action
Contaminants of Concern:	Unknown
Media of Concern	Unknown
RRSE Rating:	2A
Completed IRP Phase to Date:	RFA, Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

STAINED/DISTURBED GROUND, FRIES PARK (DPG-076):

11-acre disturbed area located 1.5 miles south of Fries Park in the English Village area, active during the 1950's. Uncertainty exists regarding the identity of the site; no evidence of contamination was found during the Phase I investigation. No further action under the IRP is recommended.



Site Type:	Training Area
Legal Driver:	Corrective Action
Contaminants of Concern:	None
Media of Concern	None
RRSE Rating:	Not Evaluated
Completed IRP Phase to Date:	RFA, Phase I RFI
Current IRP Phase:	Response Complete in November 2001
Future IRP Phase:	None

Recommendation for future response: No further action under the IRP is recommended

EX-ASPHALT PILE, LITTLE GRANITE MOUNTAIN (DPG-077):

2-acre site of waste asphalt pile located in the Little Granite Mountain area, active 1950 through the present. The site consists of an asphalt pile - which includes a 55-gallon drum - and a tar disposal area. Widespread staining is evident in surface soils throughout the site. A majority of the area is devoid of vegetation. The area is believed to have been an ammunition staging area during National Guard exercises. DSHW recommends removal and disposal of wastes and contaminated soils, with confirmation sampling. Removal may only occur if DPG decides to remove the asphalt. No further action is recommended upon completion of these activities.



Site Type:	Surface Disposal Area
Legal Driver:	Corrective Action
Contaminants of Concern:	PAHs, TPH
Media of Concern	Soil
RRSE Rating:	3A
Completed IRP Phase to Date:	RFA
Current IRP Phase:	Phase I RFI
Future IRP Phase:	RFA

Recommendation for future response: Possible removal of asphalt.

GROUND SCARS (DPG-078):

Response Complete in 1993 – Study complete, no cleanup required.



WASTE PILE, SW OF LITTLE GRANITE MOUNTAIN (DPG-079):

30-acre landfill site in the Carr area, also known as Old Lincoln Highway Landfill, active in various areas from the 1940's through 1970. Due to their proximity and similarities, DPGs-057, 079, 080, & 106 have been combined into one site, DPG-079. The disposal area consists of numerous open trenches, backfilled trenches, soil mounds, debris piles, areas of stained soil, and a disturbed area. The area was used for disposal of wastes from chemical testing activities. The disposal area is also known to be within an inactive chemical agent (HD) mortar impact area. Biological warfare simulant (BG) bomblets are also present at the site. Due to explosive hazards identified at all four areas, limited Phase I activities were performed. To date, Phase II RFI activities have included angle borings under disposal trenches, surface soil sampling, direct push groundwater sampling, lithologic profiling, and installation of monitoring wells. In an attempt to expedite the investigation, DSHW and EPA have identified this site as an Environmental Indicator (EI) due to its location in a potential groundwater recharge zone. DPG and DSHW have partnered in developing the site characterization approach.



Site Type:	Landfill
Legal Driver:	Corrective Action
Contaminants of Concern:	TCE, Metals, Suspected ABPs
Media of Concern	Soil and Groundwater
RRSE Rating:	1A
Completed IRP Phase to Date:	RFA, Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

This site was included in the ITR program. The ITR recommended the establishment of site objectives and remediation drivers before performing additional work. Dugway agrees with this recommendation and applied data obtained prior to receiving the ITR recommendations to determine additional site characterization needs. The ITR also recommended the Army take the lead in developing protocols for sampling and analyzing biological warfare agents. Dugway agrees with this recommendation and has taken steps in the interim to address immediate needs.

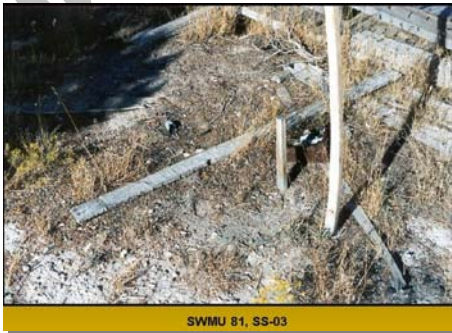
WASTE PILE, EAST OF CARR (DPG-080):

Now known as DPG-079.



FORMER MUNITIONS STORAGE IGLOO, EAST OF CARR (DPG-081):

0.3-acre site of a former munitions storage igloo located 0.9 miles west of Little Granite Mountain, active prior to 1980. The igloo was determined to be a safety hazard due to its proximity to English Village, and was consequently destroyed in 1980 by open detonation. Scattered debris from the former igloo and munitions are scattered across the site. Metals were detected near a small battery pile (100 sq ft) east of the former igloo. Removal and disposal of these shallow soils was performed during Phase I activities, and confirmation sampling indicated that the contamination no longer exists. No further action under the IRP is recommended.



Site Type:	Storage Area
Legal Driver:	Corrective Action
Contaminants of Concern:	None
Media of Concern	Soil
RRSE Rating:	3A
Completed IRP Phase to Date:	RFA, IRA, Phase I RFI
Current IRP Phase:	Response Complete under the IRP Sept. 1999
Future IRP Phase:	None

Recommendation for future response: No further action under the IRP is recommended.

WASTE PILE, EAST OF MICHAEL AAF (DPG-082):

2-acre waste pile site located in the Ditto area, active 1970 to 1981. The piles mainly contain asphalt (up to seven feet high) on top of a graded soil surface. Miscellaneous debris scattered across the site includes a drum and construction debris. The smoke grenades and ordnance scrap have been removed. No contaminants were detected at levels above the screening criteria. No further action under the IRP is recommended.



Site Type:	Surface Disposal Area
Legal Driver:	Corrective Action
Contaminants of Concern:	None
Media of Concern	None
RRSE Rating:	Not Evaluated
Completed IRP Phase to Date:	RA, RFI Phase I
Current IRP Phase:	Response Complete under the IRP March 1998
Future IRP Phase:	None

Recommendation for future response: No further action under the IRP is recommended.

RIFLE RANGE, NE OF AVERY (DPG-083):

Response Complete in 1991 – Study complete, no cleanup required.



BORROW TRENCHES, NORTH OF LITTLE GRANITE MOUNTAIN (DPG-084):

Response Complete in 1991 – Study complete, no cleanup required.



DUNE FIELD BORROW AREA, NORTH OF LITTLE GRANITE MOUNTAIN (DPG-085):

Response Complete in 1991 – Study complete, no cleanup required.



FORMER COAL PILES, DITTO TECH CTR (DPG-086):

Response Complete in 1991 – Study complete, no cleanup required.



LANDFILL, WEST OF DITTO TECH CTR (DPG-087):

Part of DPG-037 and DPG-089.



BORROW AREA, DITTO TECH CTR (DPG-088):

Response Complete in 1993 – Study complete, no cleanup required.

No photo available

LANDFILL, WEST OF DITTO TECH CTR (DPG-089):

Part of DPG-037 and DPG-087.



BURNING AREA, EAST OF CARR (DPG-090):

DPG-090 is composed of three elongated mounds within an oval-shaped area approximately 800 ft long by 400 ft wide. The site was active from the early 1960s to 1985. This unit was used for disposal of range clearance materials and burning of wastes from the Carr Facility and the ranges. Wastes consisted of ordnance, propellants, decontamination solutions, debris collected during range-clearance activities, illumination rounds, scrap metal, and miscellaneous 3X debris. Materials were burnt upon placement in pits. In 1994, scattered surface debris was hauled to a gondola (roll-off bin) at DPG-194 and then disposed off-site. No open detonation took place at the site. Warning signs were placed at the site in 1992. Groundwater monitoring has been conducted at DPG-090 since 1996. Remedial design is recommended for this site.



Site Type:	Landfill and Burn Area
Legal Driver:	Consent Order
Location	Carr Facility, Open Burning Area and Landfill
Dates of Operation	Used From the 1970s to 1985
General Size of Dimensions	6-Acres
Contaminants of Concern:	VOCs, BNAs, ABPs, Pesticides, PCBs, Explosives, and Metals
Media of Concern	Soil and Possibly Groundwater
RRSE Rating:	1A (High with Regulatory Agreement)
Completed IRP Phase to Date:	PA/SI; IRA
Current IRP Phase:	RD; Closure Plans Submitted to UDEQ; Groundwater Monitoring Per Consent Order
Future IRP Phase:	RA; Post-Closure Groundwater Monitoring

Recommendation for future response: Capping may be used as a response at this site with continued groundwater monitoring.

ASPHALT PILE SOUTH OF BAKER (DPG-091):

Waste pile located south of Baker Laboratory. The site was reported to have consisted of an asphalt pile, soil, and boiler residues, with piles about 45 feet in diameter and 3-4 feet high. There is no information on the origin of these materials. The Baker boiler building and a discharge ditch are located in the vicinity of this site. In the past, the boiler sediment (residue) was removed from the boiler during boiler blowdown and effluent was discharged to DPG-034. Contaminant types reported to be in the boiler residue were water treatment additives, such as caustic soda, phosphate, and concentrated minerals.



SWMU 91, waste pile



SWMU 91, waste pile



Asphalt Pile
South of Baker

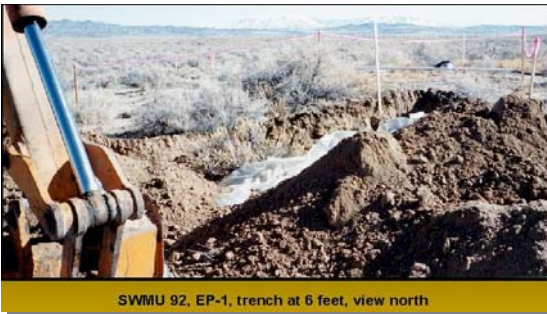
Site Type:	Waste Pile
Legal Driver:	Corrective Action
Location	Baker
Contaminants of Concern:	None
Media of Concern	None
RRSE Rating:	Not Evaluated
Completed IRP Phase to Date:	RFA, RFI Phase I
Current IRP Phase:	Response Complete under the IRP March 1998
Future IRP Phase:	None
Recommendation for future response:	No further action under the IRP is recommended.

LANDFILL, NE OF BAKER (DPG-092):

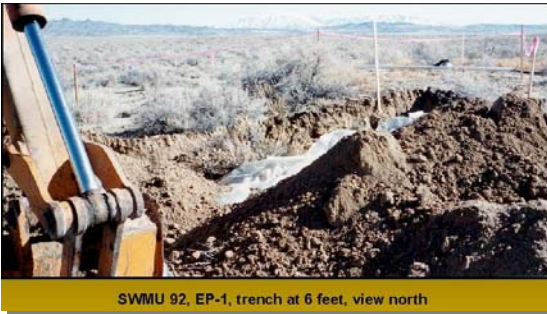
Landfill of at least 1-acre in size located in the Baker area, active 1953 - unknown. The disposal area consists of a disturbed area, a soil mound, an electrical pump control panel, a flow meter, manhole covers, and vaults. The source of materials disposed at the site is believed to be Baker Laboratory. All debris has been removed from the site. Only beryllium was detected at a level that exceeded the screening criteria. No further action under the IRP is recommended.



SWMU 92, EP-1, trench at 2 feet, view south



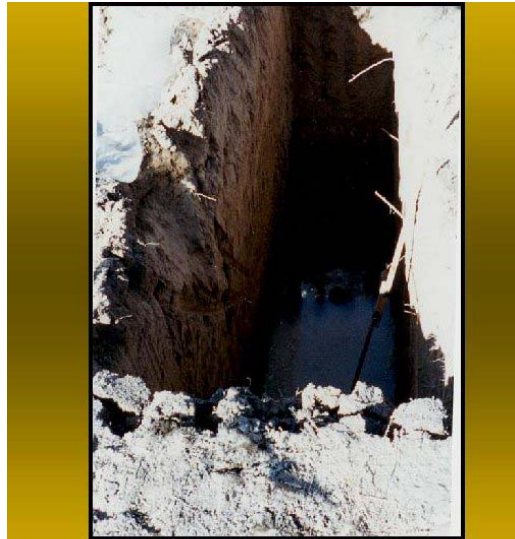
SWMU 92, EP-1, trench at 6 feet, view north



SWMU 92, EP-1, trench at 6 feet, view north



SWMU 92, EP-1, trench at 2 feet, view west



SWMU 92, EP-1, trench at 8 feet, water at bottom



SWMU 91, trench inventory, 12/2/92

Site Type:

Legal Driver:

Contaminants of Concern:

Media of Concern

RRSE Rating:

Completed IRP Phase to Date:

Current IRP Phase:

Future IRP Phase:

Landfill

Corrective Action

Beryllium

Soil

3A

RFA, RFI Phase I

Response Complete under the IRP Sept. 1999

None

Recommendation for future response:

No further action is recommended.

LANDFILL, NE OF BAKER (DPG-092) (Continued):

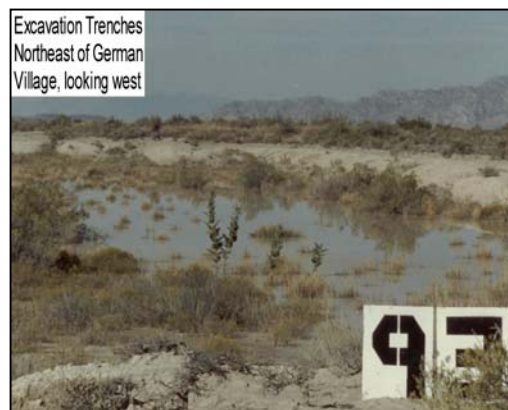


EXCAVATION/TRENCHES, NE OF GERMAN VILLAGE (DPG-093):

150 ft by 40 ft unlined trench located in the Downwind Grid area, active 1953 to 1970. The site was reportedly used for temporary storage of range clean-up equipment and materials. According to DPG personnel, wastes were not disposed at this site. No staining or debris was observed during Phase I activities. No contaminants were detected above screening levels. No further action under the IRP is recommended.



SWMU 93, trench inventory, 12/2/92



Excavation Trenches
Northeast of German
Village, looking west

Site Type:	Landfill
Legal Driver:	Corrective Action
Contaminants of Concern:	None
Media of Concern	None
RRSE Rating:	2A
Completed IRP Phase to Date:	RFA, RFI Phase I
Current IRP Phase:	Response Complete under the IRP Sept. 1999
Future IRP Phase:	None

Recommendation for future response: No further action under the IRP is recommended.

BORROW PIT SOUTH OF BAKER (DPG-094):

Response Complete in 1991 – Study complete, no cleanup required.



dpg-094
Barrow Pit

BORROW PIT (DPG-095):

Response Complete in 1991 – Study complete, no cleanup required.

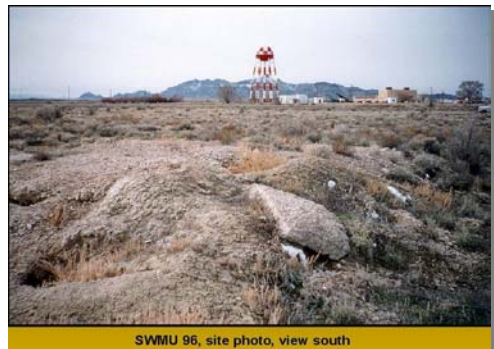
No photo provided

CONCRETE DEBRIS, SOUTH OF MICHAEL AAF (DPG-096):

1,600-sq ft area located in the Ditto area, active 1953 to 1970. The disposal area consists of a 15 ft by 25 ft waste pile containing scrap wood, concrete rubble, bricks, and metal fragments. A large concrete block (5 ft by 3 ft thick) is present, as well as a patch of stained soil. The source of these materials is reportedly a demolished sewer system that was encountered during construction activities. The sewer system extended to parts of Ditto and Avery and is being investigated in Phase II as part of DPG-177. These materials are suspected of containing F999 wastes/residues. Because of the limited size of the waste pile, removal, disposal, and confirmation sampling were completed in conjunction with the remediation of DPG-007. No further action is recommended.



SWMU 96, SS-1, concrete block and fuel/oil-stained soil, view northeast



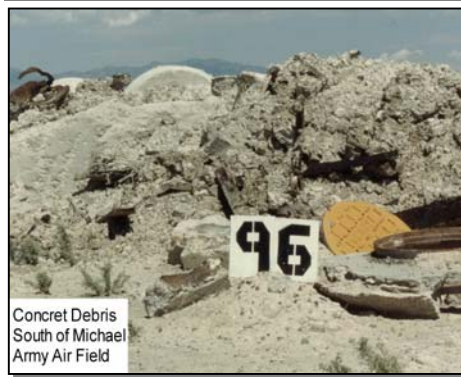
SWMU 96, site photo, view south



SWMU 96, site photo, view east



SWMU 96, sample location and debris pile, view west



Concret Debris
South of Michael
Army Air Field

Site Type:

Legal Driver:

Contaminants of Concern:

Media of Concern

RRSE Rating:

Completed IRP Phase to Date:

Current IRP Phase:

Future IRP Phase:

Surface Disposal Area

Corrective Action

Possible F999 Waste

Soil, Concrete

2A

RFA, RFI Phase I

FRA

None

Recommendation for future response:

No further action is recommended.

DRAINFIELD & DECONTAMINATION PAD, SW OF AVERY (DPG-097):

2.5-acre abandoned drainfield located in the Ditto area, active 1940 to 1959. A decontamination pad was reportedly associated with the drainfield, but is no longer present. The drainfield is located adjacent to the runway at Michael AAF, where aircraft decontamination activities are known to have taken place, though it is uncertain that decontamination solutions were discharged into DPG-097. Arsenic was the only contaminant detected above the screening level during Phase I activities, and is believed to reflect higher background levels in the area. A solvent plume has been discovered during Phase II RFI activities.



Site Type:	Decontamination Pad and Leach Field
Legal Driver:	Corrective Action
Contaminants of Concern:	Solvents
Media of Concern	Groundwater and Soil
RRSE Rating:	1A
Completed IRP Phase to Date:	RFA, RFI Phase I
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

PIPELINE EXCAVATION, OLD IGLOOS, CARR (DPG-098):

The site location has been elusive. Site history depicts red stained soil along a 490-ft section of underground piping leading from the Carr facility to an old igloo storage area. Contaminated soil was discovered during a pipeline excavation in 1986. Agent and ABPs were detected in samples obtained at the time of the 1986 excavation. During Phase II RFI investigation activities, soil borings were completed in the area thought to be the pipeline excavation. Undisturbed soil was encountered. Additional personal interviews, site reconnaissance, and aerial photo interpretation will be conducted to determine the correct site location. Additional Phase II RFI activities may be required.



Site Type:	Sewer Line
Legal Driver:	Corrective Action
Contaminants of Concern:	ABPs, Metals, VOCs, SVOCs
Media of Concern	Soil, Possibly Groundwater
RRSE Rating:	1A
Completed IRP Phase to Date:	RFA, RFI Phase I
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

3X DISPOSAL AREA, CAMELS BACK RIDGE (DPG-099):

DPG-099 is located in a gravel borrow pit on a terrace near the base of the steep eastern escarpment of Camels Back Ridge. Between 1987 and 1993, DPG-099 was used for the storage of materials recovered as a result of range-clearance activities, including possible 3X materials. Currently, the entire site consists of manmade gravel ridges and depressions. The site is surrounded by a three-strand barbed wire fence with concertina wire at the bottom, and covers an area approximately 375 ft by 420 ft. The 3X materials present in the unit in 1989 were stored either directly on the gravel surface of the 3X area or in containers that rested on the ground. All 3X material was removed by 1999. Site control measures were taken in 1992 with warning signs placed about the area. Removal of this debris occurred in 1993 under base contract. Debris consisted of scrap, vehicles, practice bombs, spray tanks, and wooden ammunition boxes (some treated with pentachlorophenol). All salvageable scrap was taken to the DRMO, treated boxes were stockpiled for like disposal, and the remaining debris was taken to DPG landfill. Ash and soil removal were completed in 1999. Limited additional sampling is planned to FY02 to obtain closure.

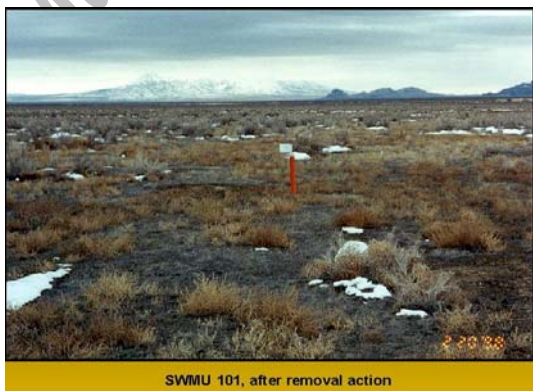


Site Type:	Former Waste Piles
Legal Driver:	Consent Order
Location	East Side of Camels Back Ridge, Waste Piles
Dates of Operation	Used From 1987 to 1993
General Size of Dimensions	3.5-Acres
Contaminants of Concern:	Pb
Media of Concern	Soil
RRSE Rating:	3A (Low with Regulatory Agreement) <i>was 1A</i>
Completed IRP Phase to Date:	PA/SI; IRAs
Current IRP Phase:	Closure Plans Submitted to UDEQ; Supplemental sampling
Future IRP Phase:	Risk-Based Site Closeout

Recommendation for future response: Additional sampling followed by risk-based site closeout.

WASTE DISPOSAL SITE, EAST OF WIG GRID (DPG-101):

1,000 sq ft waste pile located in the All Purpose Grid area, active dates unknown. The pile contained about 60 waste oil drums and miscellaneous scrap metal and wood. Approximately 3 tons of debris was removed under base contract in 1993 with 2 tons of the drums going to the DRMO and the remaining waste hauled to DPG landfill. Arsenic was the only analyte detected above the screening level and is believed to reflect higher background levels in the general area. No further action under the IRP is recommended.



Site Type:	Surface Disposal Area
Legal Driver:	Corrective Action
Contaminants of Concern:	None
Media of Concern	None
RRSE Rating:	2A
Completed IRP Phase to Date:	RFA; IRA
Current IRP Phase:	Response Complete under the IRP Sept. 1999
Future IRP Phase:	None
Recommendation for future response:	No further action under the IRP is recommended.

DECONTAMINATION PAD @ BLDG 9411, WEST OF GRANITE PEAK (DPG-103):

2,700 sq ft equipment decontamination pad area in the Granite Mountain area, active prior to the 1960's. The site consists of four footings for the former decontamination pad. The pad was used for decontamination of agent contaminated equipment. IRA's consist of concrete pad removal under base contract in 1993. Beryllium was the only analyte detected above the screening level and is believed to reflect higher background levels in the general area. No further action under the IRP is recommended.



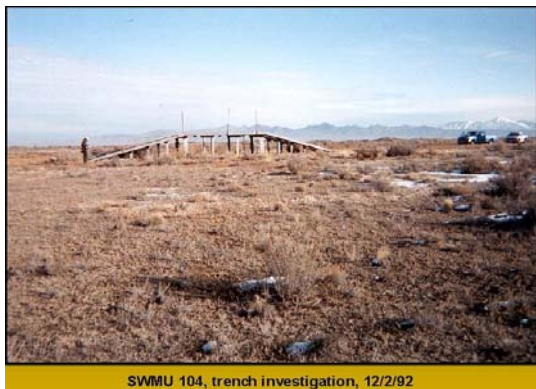
SWMU 103, Decontamination Pad

Site Type:	Surface Runoff
Legal Driver:	Corrective Action
Contaminants of Concern:	None
Media of Concern	None
RRSE Rating:	3A
Completed IRP Phase to Date:	RFA; IRA; Phase I RFI
Current IRP Phase:	Response Complete under the IRP Sept. 1999
Future IRP Phase:	None

Recommendation for future response: No further action under the IRP is recommended.

DECONTAMINATION PAD @ JCT. TANGO/BURNS/VICTORY RDS (DPG-104):

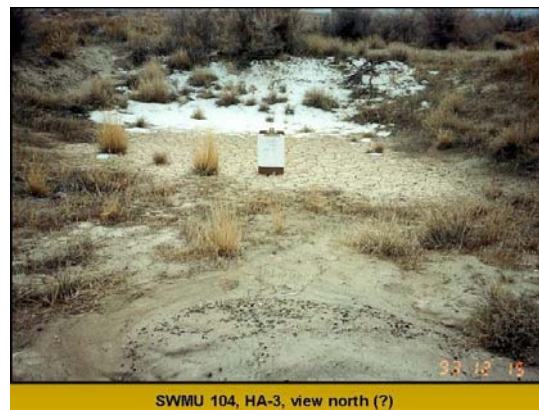
2 acre vehicle decontamination area located in the All Purpose Grid area, active 1950 to 1970. The site was reportedly used for decontaminating vehicles contaminated with biological agent. It consisted of an elevated steel structure, a steel mat on the ground, a mound, and a drainage ditch and pit that received decontamination liquids. Approximately 14.5 tons of debris, including the elevated steel structure and other debris, were removed under base contract in 1993 for disposal at the DRMO. No significant contamination was found during the Phase I investigation; no further action under the IRP is recommended.



SWMU 104, trench investigation, 12/2/92



SWMU 104, trench inventory, 12/2/92

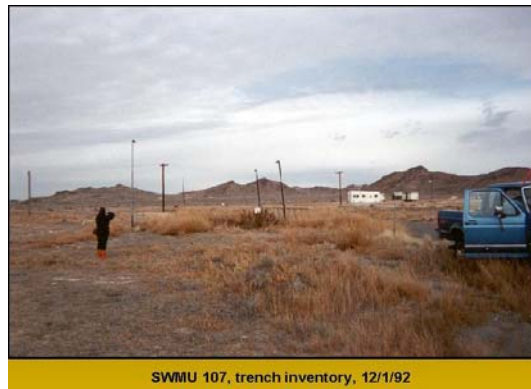


SWMU 104, HA-3, view north (?)

Site Type:	Surface Runoff
Legal Driver:	Corrective Action
Contaminants of Concern:	None
Media of Concern	None
RRSE Rating:	2A
Completed IRP Phase to Date:	RFA, IRA; Phase I RFI
Current IRP Phase:	Response Complete under the IRP Sept. 1999
Future IRP Phase:	None
Recommendation for future response:	No further action under the IRP is recommended.

DECONTAMINATION PAD, TOWER GRID (DPG-107):

0.1-acre vehicle decontamination area located 0.2 miles northeast of Tower Grid, active 1960's to 1970's. The site consisted of an elevated pad (marston matting) supported by five remaining concrete footings. Approximately 8.8 tons of marston matting was removed under a 1993 base contract and disposed of at the Grassy Mountain facility. No analytes were detected above the screening level; no further action under the IRP is recommended.



Site Type:	Surface Runoff
Legal Driver:	Corrective Action
Contaminants of Concern:	None
Media of Concern	None
RRSE Rating:	2A
Completed IRP Phase to Date:	RFA; IRA; Phase I RFI
Current IRP Phase:	Response Complete under the IRP Sept. 1999
Future IRP Phase:	None
Recommendation for future response:	No further action under the IRP is recommended.

BE & C-14 WASTE DISPOSAL AREA, SE OF GRANITE PEAK (DPG-108):

Site of uncertain location and size, in the Granite Mountain area, active 1950's to 1970's. Because the presumed site is located in an active firing range, the explosive risk is considered to be high. Wastes disposed included beryllium and low-level radioactive wastes containing tritium and carbon 14. However, due to the low ranking of this site within the RRSE framework, no further action under the IRP is recommended.



SWMU 108, trench inventory, 12/3/92



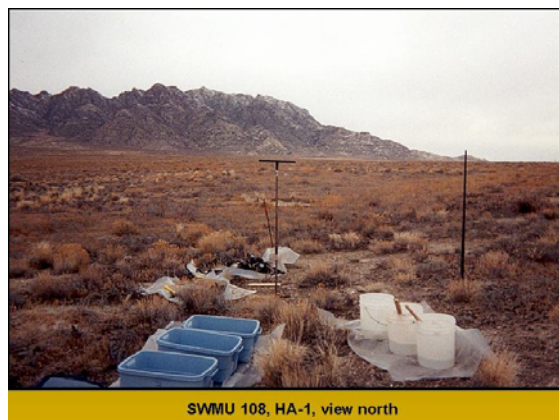
SWMU 108, trench investigation, 12/3/92



SWMU 108, trench inventory, 12/3/92



SWMU 108, trench investigation, 12/2/92



SWMU 108, HA-1, view north

Site Type:	Radioactive Waste Area
Legal Driver:	Corrective Action
Contaminants of Concern:	Radiation
Media of Concern	Soil
RRSE Rating:	Not Evaluated
Completed IRP Phase to Date:	RFA; Phase I RFI
Current IRP Phase:	Response Complete under the IRP March 1998
Future IRP Phase:	None

Recommendation for future response: No further action under the IRP is recommended.

BE & C-14 WASTE DISPOSAL AREA, SOUTH OF GRANITE PEAK (DPG-109):

Site of uncertain location and size, in the Granite Mountain area, active 1950's to 1970's. Because the presumed site is located in an active firing range, the explosive risk is considered to be high. Wastes disposed included beryllium and low level radioactive wastes containing tritium and carbon 14. However, due to the low ranking of this site within the RRSE framework, no further action under the IRP is recommended.



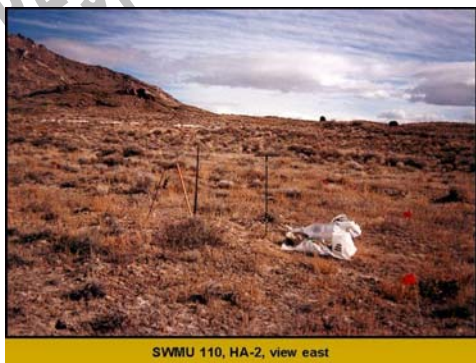
SWMU 109, trench inventory, 12/3/92

Site Type:	Radioactive Waste Area
Legal Driver:	Corrective Action
Contaminants of Concern:	Radiation
Media of Concern	Soil
RRSE Rating:	Not Evaluated
Completed IRP Phase to Date:	RFA; Phase I RFI
Current IRP Phase:	Response Complete under the IRP March 1998
Future IRP Phase:	None

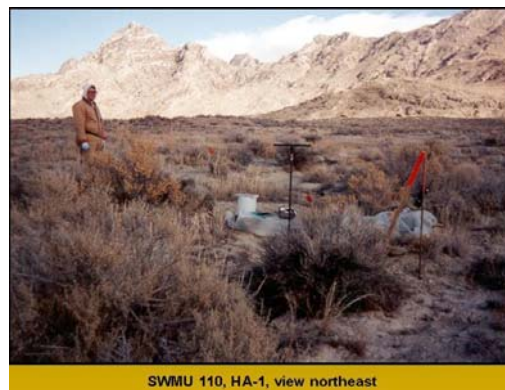
Recommendation for future response: No further action under the IRP is recommended.

BE & C-14 WASTE DISPOSAL AREA, SOUTH OF GRANITE PEAK (DPG-110):

Site of uncertain location and size, in the Granite Mountain area, active 1950's to 1970's. Because the presumed site is located in an active firing range, the explosive risk is considered to be high. Wastes disposed included beryllium and low-level radioactive wastes containing tritium and carbon 14. However, due to the low ranking of this site within the RRSE framework, no further action under the IRP is recommended.



SWMU 110, HA-2, view east



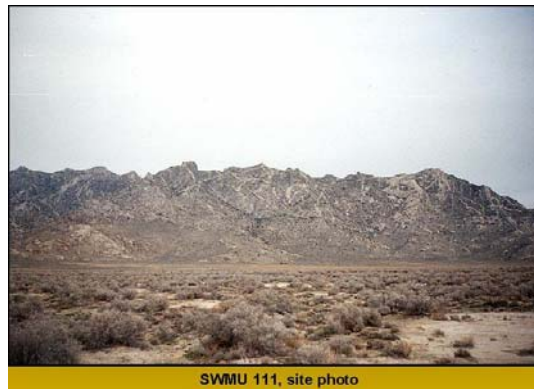
SWMU 110, HA-1, view northeast

Site Type:	Radioactive Waste Area
Legal Driver:	Corrective Action
Contaminants of Concern:	Radiation
Media of Concern	Soil
RRSE Rating:	3A
Completed IRP Phase to Date:	RFA; Phase I RFI
Current IRP Phase:	Response Complete under the IRP Sept. 1999
Future IRP Phase:	None

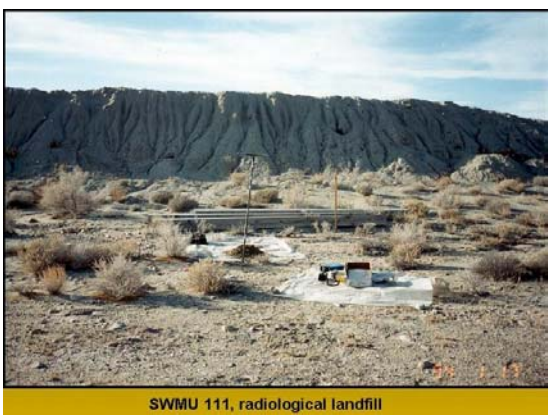
Recommendation for future response: No further action under the IRP is recommended.

BE & C-14 WASTE DISPOSAL AREA, SW OF GRANITE PEAK (DPG-111):

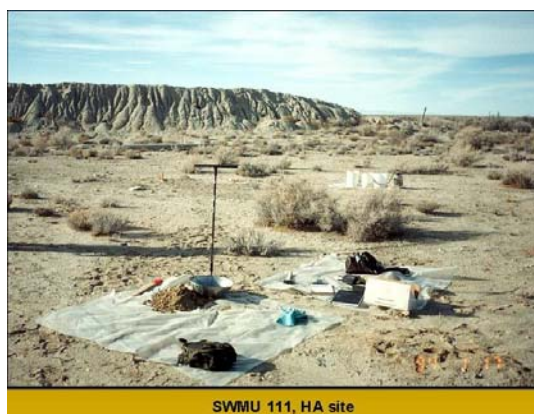
Site of uncertain location and size, in the Granite Mountain area, active 1950's to 1970's. Because the presumed site is located in an active firing range, the explosive risk is considered to be high. Wastes disposed included beryllium and low-level radioactive wastes containing tritium and carbon 14. However, due to the low ranking of this site within the RRSE framework, no further action under the IRP is recommended.



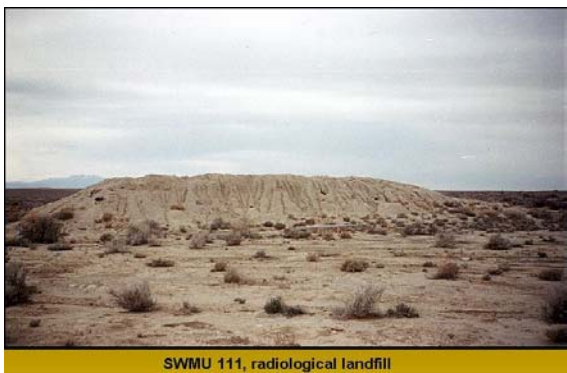
SWMU 111, site photo



SWMU 111, radiological landfill



SWMU 111, HA site



SWMU 111, radiological landfill

Site Type:	Radioactive Waste Area
Legal Driver:	Corrective Action
Contaminants of Concern:	Radiation
Media of Concern	Soil
RRSE Rating:	3A
Completed IRP Phase to Date:	RFA; Phase I RFI
Current IRP Phase:	Response Complete under the IRP Sept. 1999
Future IRP Phase:	None

Recommendation for future response: No further action under the IRP is recommended.

LANDFILL, POLE LINE ROAD (DPG-113):

1.1-acre landfill area located in the Carr facility, active during the 1950's. The site of two former waste piles that had reportedly received wastes from the Ecology and Epidemiology Lab (i.e., GPI-1 Complex) that included: rusted 55-gallon drums, wood cages, amber jugs, garbage cans, broken glass vials, spent mortars, smoke canisters, and metal scrap. Approximately 4.5-tons of the debris was removed under base contract in 1993 and disposed of in the DPG landfill. However, recent site inspections have revealed small fragments of debris remain at the site. Beryllium was the only analyte detected at levels above the screening level. The Phase I investigation did not address a geophysical anomaly that was detected near the northwest perimeter of the site. A Phase II RFI is underway. An IRA is being considered to remove the remaining debris. Following debris removal and possible confirmation sampling, site closure options will be evaluated.



Site Type:	Landfill
Legal Driver:	Corrective Action
Contaminants of Concern:	Beryllium
Media of Concern	Soil, Possibly Groundwater
RRSE Rating:	3A
Completed IRP Phase to Date:	RFI; IRA; Phase I RFI
Current IRP Phase:	Phase II RFI; IRA being considered
Future IRP Phase:	NFA after removal and possible confirmation sampling.

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

OLD GPI-3 TEST SITE, NW V-GRID (INCLS DPG-202) (DPG-114):

Former Granite Peak Installation (GPI-3) Test Site of uncertain size, purpose, and time of usage, located in the northwestern portion of V-Grid. The site consists of building foundations, sewer lines, USTs, surface debris, and a water-contained pit with soil mounds on each side. Two waste piles located southwest of the test site, originally identified as DPG-202, have been incorporated into DPG-114 due to their proximity. The waste piles were noted to contain wood and metal scrap. Because of the limited amount of information available regarding past activities at GPI-3, very little sampling was performed during the Phase I investigation. A Phase II RFI is underway.



Site Type:	Buildings, Sewers, USTs, Waste Piles
Legal Driver:	Corrective Action
Contaminants of Concern:	Unknown
Media of Concern	Unknown
RRSE Rating:	3A
Completed IRP Phase to Date:	RFA, Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

LANDFILL, X-RAY ROAD, 1 MILE SOUTH OF BLDG. T-9490 (DPG-115):

0.2-acre barren landfill located in the All Purpose Grid area, active dates unknown. The disposal area consists of a pit that had formerly contained miscellaneous debris including scrap ordnance, wire, pipe, buckets and lumber. It is possible that propellants and items contaminated with chemical agent were disposed of at this site. Observations have indicated that there also may be backfilled trenches located at the site. Approximately 25-tons of surface debris was removed under base contract in 1993 and disposed of at DPG landfill. The debris consisted of an old icebox, electrical wiring, sand-filled propellant charge cans, lumber, pallets, rubber tiring, concrete, and metal posts. Some debris remains, however. A Phase II RFI is underway. A Source Removal Investigation and Voluntary Interim Measures Work Plan is in place to remove remaining debris and contaminated soil and to complete the site characterization. Following debris removal and possible confirmation sampling, site closure options will be evaluated.



Site Type:	Landfill
Legal Driver:	Corrective Action
Contaminants of Concern:	Unknown
Media of Concern	Unknown
RRSE Rating:	3A
Completed IRP Phase to Date:	RFA; IRA; Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	NFA after removal and possible conformation sampling.

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

SURFACE WASTE PILE, NYE ROAD, SW OF DITTO TECH CTR (DPG-116):

4.1-acre site of a landfill located in the Ditto area, active prior to 1987. The disposal area consists of several mounds, burn areas, various debris piles, a partially backfilled trench, and a building foundation. Fragments of wood, metal, glass, and plastic are scattered intermittently throughout the site. Also present at the site are auto parts, batteries, wire, and charcoal. The site was reportedly used for disposal of wastes generated at the former maintenance shop, including possible F999 wastes. Three separate areas were noted as being impacted by site activities; a Phase II RFI is underway. A Source Removal Investigation and Voluntary Interim Measures Work Plan is in place to remove remaining debris and contaminated soil and to complete the site characterization.



Site Type:	Waste Pile
Legal Driver:	Corrective Action
Contaminants of Concern:	Metals; TPHC
Media of Concern	Soil
RRSE Rating:	2A
Completed IRP Phase to Date:	RFA, Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

WASTE DISPOSAL PIT, FALCONER ROAD, ALL PURPOSE GRID (DPG-117):

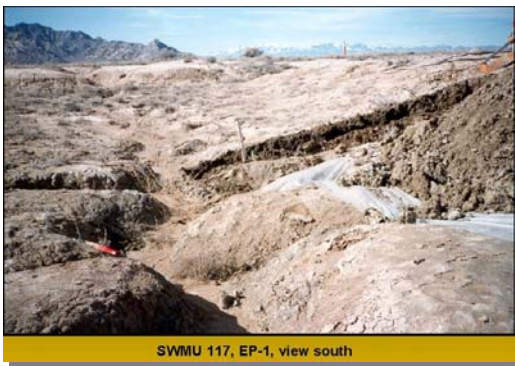
Landfill of uncertain size located in the All Purpose Grid area on the east side of Falconer Road, north of Stark Road, active dates unknown. The known disposal area consists of a trench (45 ft by 110 ft by 12 ft) reportedly used for the disposal of test grid items. Approximately 20-tons of subsurface debris was removed under base contract in 1993 for disposal at DPG landfill. The debris consisted of concrete slabs, partially burned wood, plastic pipe, polyurethane foam, 6-volt carbon dry-cell batteries (non-hazardous), and one metal drum. No analytes were detected above the screening level. However, additional sampling is recommended.



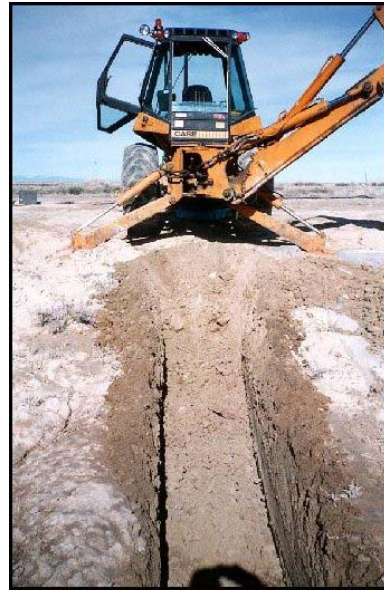
SWMU 117, landfill



SWMU 117, landfill



SWMU 117, EP-1, view south



SWMU 117, EP-1, view west



SWMU 117, EP-1, soil sample collection, view north



SWMU 117, trench showing layers of soil backfill

Site Type:

Legal Driver:

Contaminants of Concern:

Media of Concern

RRSE Rating:

Completed IRP Phase to Date:

Current IRP Phase:

Future IRP Phase:

Landfill

Corrective Action

Unknown

Unknown

3A

RFA; IRA; Phase I RFI

Phase II RFI

CMS

Recommendation for future response:

Final remedy selection will follow completion of the Phase II RFI.

TEST VAT (1940-1950S), EAST OF V-GRID (DPG-118):

0.3-acre site of an aboveground concrete tank located near the perimeter of V-Grid in the All Purpose Grid area, active 1940's to 1950's. Tank dimensions are approximately 20 ft wide by 40 ft long by 16 ft high. The vat was reportedly used for testing of flares, munitions, and other chemical agent tests. The concrete floor is stained and contains debris including spent shell casings, white crystals or powder and animal bones. Debris is scattered outside of the vat, including sealed glass vials filled with an unknown liquid. Explosives and ABPs were detected in soils sampled during the Phase I investigation. A Phase II RFI is underway.



Site Type:	Chemical Agent Site
Legal Driver:	Corrective Action
Contaminants of Concern:	DIMP, Explosives
Media of Concern	Soil, Possibly Groundwater
RRSE Rating:	2A
Completed IRP Phase to Date:	RFA, Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

OPEN BURNING/OPEN DETONATION PAD, SOUTH OF CARR (DPG-119):	
Unit not DERA eligible, currently operating under an Interim Status Permit. Unit will be closed under Interim Status if required. Response Complete June 1992.	No Photo provided.
BURN FACILITY, BLDG. 5710, ENGLISH VILLAGE (DPG-120):	
Facility for incineration of test animals and infectious waste, recently used to burn trash, volatiles and heavy metals. Response Complete in 1992 – Study complete, no cleanup required.	No Photo provided.
INCINERATOR, BAKER LAB BASEMENT (DPG-121):	
Response Complete in 1992 – Study complete, no cleanup required.	No Photo provided.

INCINERATOR, BAKER LAB BASEMENT (DPG-122):

An inactive incinerator located in Building #2028 (Baker Laboratory), active 1957 to 1970. The incinerator was used to destroy pathological wastes generated at Baker. Remaining ash residue was sampled and found to contain SVOCs and metals. IRAs consisted of the removal and disposal of an estimated 5 pounds of ash in 1998, with disposal at the Grassy Mountain facility. No further action is recommended following these actions.



SWMU 122, chute with brick lining used to add waste to incinerator



SWMU 122, cleaned-out incinerator, ash contains 4 moose carcasses and over 200 cigarette butts



SWMU 122, door to incinerator, Life Science Laboratory, Building 2000



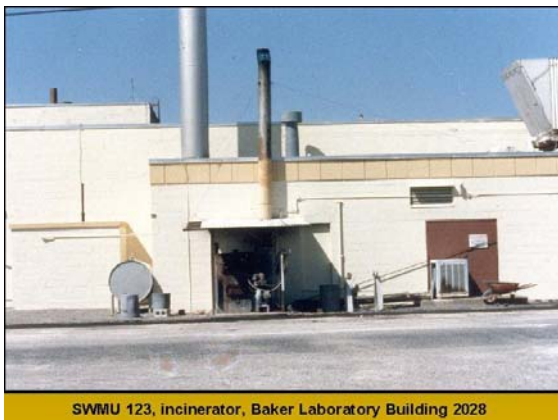
SWMU 122, jar and ash at bottom of incinerator

Site Type:	Incinerator
Legal Driver:	Corrective Action
Contaminants of Concern:	Phenanthrene, Metals
Media of Concern	Residual Ash
RRSE Rating:	3A
Completed IRP Phase to Date:	RFA; IRA; Phase I RFI
Current IRP Phase:	None
Future IRP Phase:	None

Recommendation for future response: No further action under the IRP is recommended.

INCINERATOR, BAKER LAB BLDG. 2028 (DPG-123):

The former incinerator located outside of Building #2028 (Baker Laboratory), active 1970 to 1990. The incinerator was used to destroy gas chromatography residues, medical wastes, from the Health Clinic, paper, and some laboratory animals. The incinerator was moved in 1990, with present location unknown. Soil sample analysis obtained from the site during the Phase I investigation did not detect any analytes. No further action under the IRP is recommended.



SWMU 123, incinerator, Baker Laboratory Building 2028



SWMU 123, trench inventory, 12/2/92

Site Type:	Incinerator
Legal Driver:	Corrective Action
Contaminants of Concern:	None
Media of Concern	None
RRSE Rating:	3A
Completed IRP Phase to Date:	RFA; Phase I RFI
Current IRP Phase:	Response Complete under the IRP March 1998
Future IRP Phase:	None

Recommendation for future response: No further action under the IRP is recommended.

3X/5X INCINERATOR, CARR (DPG-124):

DPG-124 is located south of the junction of Third Street and A Street and adjacent to Building 3157, near the southeastern boundary of the Carr Facility. According to the NEI plan, the DPG-124 incinerator was in operation from 1984 to 1986. Presently, DPG 124 consists of a 15 ft concrete pad with an electrical panel and conduit. When this unit was in operation, an oil-fired incinerator was located on the pad, and an aboveground 200-gallon to 250-gallon fuel oil tank was located approximately 30 ft northeast of the incinerator. The unit was used for incineration of wastes from Building 3445, and items from 3X storage areas. These wastes consisted of rubber gloves and laboratory clothing, and 3X material originally contained in 5-gallon propellant charge cans, and then placed in plastic bags. The wastes were then incinerated to 5X level and disposed of as hazardous waste. The incinerator was moved to the Baker Area and has since been disposed. Warning signs have been placed at the site. Red dirt has been identified in the area. Current plans have call for the red dirt to be handled under DPG-060. Additional sampling is planned to complete characterization of incinerator related impacts. Remedial design is recommended.



Site Type:	Burn Area
Legal Driver:	Consent Order
Location	Carr Facility, Incinerator Pad
Dates of Operation	Used from 1984 to 1986
General Size of Dimensions	15 Ft. by 20 Ft.
Contaminants of Concern:	VOCs, BNAs, ABPs, Pesticides, PCBs, TPH, and Metals
Media of Concern	Soil
RRSE Rating:	3A (Low with Regulatory Agreement)
Completed IRP Phase to Date:	PA/SI; IRA
Current IRP Phase:	Additional Nature and Extent Investigation Requested by UDEQ; RD/RA
Future IRP Phase:	Risk-Based Site Closeout

Recommendation for future response: Future remediation response may involve cleanup of contaminated surface soils and will be determined upon completion of Nature and Extent Investigation.

BOILER BLOWDOWN SUMP (DITCH), AVERY (DPG-125):

Response Complete in 1992 – Study complete, no cleanup required.

No Photo provided.

YELLOW JACKET AREA, SOUTH OF DPG (DPG-126):

This area contains cave complexes used in prior testing (Project Sphinx). The complexes are in two areas; Yellow Jacket Caves and the Great Western Mine. Yellow Jacket is south of present installation boundaries.

No Photo provided.

Site Type:	Other
Legal Driver:	Corrective
Contaminants of Concern:	None
Media of Concern	None
RRSE Rating:	Not Evaluated
Completed IRP Phase to Date:	RFA
Current IRP Phase:	Response Complete November 1991
Future IRP Phase:	None

Recommendation for future response:	Site is a Formally Used Defense Site (FUDS) under the U.S. Army Corps of Engineers.
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SOUTHERN TRIANGLE AREA, SOUTH OF DPG (DPG-127):

This area is a formally used test grid south of present installation boundaries.

No Photo provided.

Site Type: Landfill
Legal Driver: Corrective
Contaminants of Concern: None
Media of Concern None
RRSE Rating: Not Evaluated
Completed IRP Phase to Date: RFA
Current IRP Phase: Response Complete November 1991
Future IRP Phase: None

Recommendation for future response: FUDS site under the U.S. Army Corps of Engineers.

PESTICIDE STORAGE BUILDING, ENGLISH VILLAGE (DPG-128):

DPG-128 is associated with DPG's principal pesticide storage and preparation area at Building 5658 in the English Village Area, and has been in use since the late 1980s. The unit consists of a 1,000-gallon septic tank and related drainfield. It was originally planned to discharge wastewater from Building 5658 to the English Village sanitary sewer system ditch east of Manookin Road. However, it was later decided to discharge the wastewater to the septic tank and drainfield on the west side of the building. IRAs consist of warning signs placed at the site. In response the 1998 Notice of Violation, the septic tank was emptied and decontaminated in Feb 2001. Current operational practices are designed to prevent future contamination. Additional soil sampling to complete site characterization was performed in May 2001. Remedial design options are being assessed based on the results of the additional characterization.



Site Type:	Contaminated Building and Sewage Treatment Plant
Legal Driver:	Consent Order
Location	South of English Village, Bldg. 5658 and Related Drainage Field
Dates of Operation	Used from 1985 to Present
General Size of Dimensions	Approximately 50 Ft. by 25 Ft.
Contaminants of Concern:	VOCs, BNAs, Pesticides, and Metals
Media of Concern	Soil and Possibly Groundwater
RRSE Rating:	3A (Low with Regulatory Agreement)
Completed IRP Phase to Date:	PA/SI; IRA
Current IRP Phase:	Closure Plans Submitted to UDEQ; RD/RA to complete characterization
Future IRP Phase:	Risk-Based Site Closeout; Possible Post-Closure Groundwater Monitoring

Recommendation for future response: Some contaminated soil removal may be required at this site. If soil contamination is shown to extend down to groundwater, then groundwater monitoring may also be required at this site.

SUMP, AAFES GAS STATION, ENGLISH VILLAGE (DPG-130):

This site, in English Village, consisted of a two-chambered floor sump, underground piping, and a drainfield on the south side of Stark Road. The floor sump was located in the westernmost service bay of the gas station. It was a two-stage settling basin consisting of two chambers, each of which was 2 ft long and 2 ft wide by 6 ft deep. When in use, each chamber was covered with a separate steel plate. A weir between the chambers was designed to permit flow of liquids while restricting the flow of solids. An outlet in the southern chamber drained into a pipe that conveyed effluent toward the drainfield. The sump was drained, cleaned and removed in an IRA in 1996. In 1999, a removal action on the north side of Stark Road occurred. The drainpipe and soil were removed. Approximately 70 LF of piping and < 30 cu yds of soil was removed for disposal in DPG landfill. The drainfield south of Stark Road was investigated in May 2001. Site closure options are being assessed based on the results of the additional characterization samples.

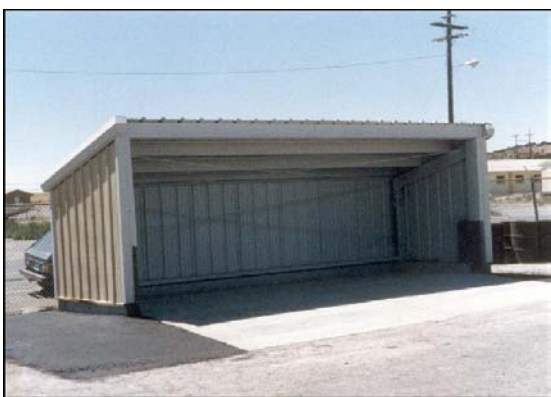
No Photo provided.

Site Type:	Disposal Pit/Dry Well
Legal Driver:	Consent Order
Location	English Village, Gas Station Sump and Drainfield
Dates of Operation	Used From 1952 to 1980's
General Size of Dimensions	Approximately 180 Ft by 40 Ft
Contaminants of Concern:	Contaminants of Concern: VOCs, BNAs, and Metals
Media of Concern	Soil and Possibly Groundwater
RRSE Rating:	1A (High with Regulatory Agreement)
Completed IRP Phase to Date:	PA/SI and IRA
Current IRP Phase:	RD to complete characterization and perform any additional removals
Future IRP Phase:	RA; Risk-Based Site Closeout

Recommendation for future response: Risk-based site closeout using results from 2001 supplemental sampling.

HWHA-1 (PAINT SHOP WASTES), ENGLISH VILLAGE (DPG-131):

Fenced storage building, 8 ft by 22 ft, on concrete pad located in English Village, active 1988 through the present. The building is used for temporary storage of hazardous wastes, including paint shop wastes. No stains or cracks were visible in the concrete pad; no spills or leaks were reported by personnel during the Phase I investigation. No further action under the IRP is recommended.



SWMU 131, 90-day holding area



SWMU 131, former waste storage area



SWMU 131, 90-day holding area

Site Type:	Storage Area
Legal Driver:	Corrective Action
Contaminants of Concern:	None
Media of Concern	None
RRSE Rating:	Not Evaluated
Completed IRP Phase to Date:	RFA; Phase I RFI
Current IRP Phase:	Response Complete under the IRP October 1997
Future IRP Phase:	None

Recommendation for future response: Active site. No longer DERA eligible.

HWHA-2 (MOTOR VEHICLE SHOP WASTES), ENGLISH VILLAGE (DPG-132):

8 ft by 22 ft fenced storage building on concrete pad located in English Village, active 1988 through the present. The building is used for temporary storage of hazardous wastes, including vehicle shop wastes. No stains or cracks were visible in the concrete pad; no spills or leaks were reported by personnel during the Phase I investigation. No further action under the IRP is recommended.



SWMU 132, former waste storage area



SWMU 132, 90-day holding area

Site Type:	Storage Area
Legal Driver:	Corrective Action
Contaminants of Concern:	None
Media of Concern	None
RRSE Rating:	Not Evaluated
Completed IRP Phase to Date:	RFA; Phase I RFI
Current IRP Phase:	Response Complete under the IRP Oct. 1997
Future IRP Phase:	None

Recommendation for future response: Active site. No longer DERA eligible.

HWHA-3 (AIRCRAFT MAINT. SHOP WASTES, DITTO TECH CTR (DPG-133):

8 ft by 22 ft fenced storage building on concrete pad located in the Ditto area, active 1988 through the present. The building is used for temporary storage of hazardous wastes, including aircraft maintenance wastes. No stains or cracks were visible in the concrete pad; no spills or leaks were reported by personnel during the Phase I investigation. During Phase II activities, a groundwater plume of solvents has been detected. The plume source has not been identified. Additional plume characterization is ongoing.

No Photo provided.

Site Type:	Former Storage Area
Legal Driver:	Corrective Action
Contaminants of Concern:	Solvents
Media of Concern	Soil and Groundwater
RRSE Rating:	1A
Completed IRP Phase to Date:	RFA, Phase I RFI
Current IRP Phase:	RFI Phase II
Future IRP Phase:	CMS

Recommendation for future response:	Final remedy selection will follow completion of the Phase II RFI.
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HWHA-4 (CHEMICAL LAB 3X WASTES), DITTO TECH CTR (DPG-134):

8 ft by 22 ft fenced storage building on concrete pad located in the Ditto area, active 1988 through the present. The building is used for temporary storage of hazardous wastes, including chemical lab 3X wastes. No stains or cracks were visible in the concrete pad; no spills or leaks were reported by personnel during the Phase I investigation. No further action under the IRP is recommended.



SWMU 134, 90-day holding area

Site Type:	Storage Area
Legal Driver:	Corrective Action
Contaminants of Concern:	None
Media of Concern	None
RRSE Rating:	Not Evaluated
Completed IRP Phase to Date:	RFA; Phase I RFI
Current IRP Phase:	Response Complete under DSERTS Oct. 1997
Future IRP Phase:	None

Recommendation for future response: Active site. No longer DERA eligible.

HWHA-5 (PHOTO WASTES), DITTO TECH CTR (DPG-135):

8 ft by 22 ft fenced storage building on concrete pad located in the Ditto area, active 1988 through the present. The building is used for temporary storage of hazardous wastes, including photo lab wastes. No stains or cracks were visible in the concrete pad; no spills or leaks were reported by personnel during the Phase I investigation. No further action under the IRP is recommended.



SWMU 135, 90-day holding area

Site Type:	Storage Area
Legal Driver:	Corrective Action
Contaminants of Concern:	None
Media of Concern	None
RRSE Rating:	3A
Completed IRP Phase to Date:	RFA; Phase I RFI
Current IRP Phase:	Response Complete under the IRP Oct. 1997
Future IRP Phase:	None

Recommendation for future response: Active site. Not DERA eligible.

HWHA-6 (TEST GENERATED WASTES), DITTO TECH CTR (DPG-136):

8 ft by 22 ft fenced storage building on concrete pad located in the Ditto area, active 1988 through the present. The building is used for temporary storage of hazardous wastes, including test-generated wastes. No stains or cracks were visible in the concrete pad; no spills or leaks were reported by personnel during the Phase I investigation. No further action under the IRP is recommended.

No Photo provided.

Site Type:	Storage Area
Legal Driver:	Corrective Action
Contaminants of Concern:	None
Media of Concern	None
RRSE Rating:	Not Evaluated
Completed IRP Phase to Date:	RFA; Phase I RFI
Current IRP Phase:	Response Complete under the IRP Oct. 1997
Future IRP Phase:	None

Recommendation for future response: Active site. Not DERA eligible.

HWHA-7 (GRID OPS BRANCH WASTE), DITTO TECH CTR (DPG-137):

8 ft by 22 ft fenced storage building on concrete pad located in the Ditto area, active 1988 through the present. The building is used for temporary storage of hazardous wastes, including GOB wastes. No stains or cracks were visible in the concrete pad; no spills or leaks were reported by personnel during the Phase I investigation. No further action under the IRP is recommended.

No Photo provided.

Site Type:	Storage Area
Legal Driver:	Corrective Action
Contaminants of Concern:	None
Media of Concern	None
RRSE Rating:	Not Evaluated
Completed IRP Phase to Date:	RFA; Phase I RFI
Current IRP Phase:	Response Complete under the IRP Oct. 1997
Future IRP Phase:	None

Recommendation for future response: Active site. Not DERA eligible.

HWHA-8 (LUB/OIL/ANTIFREEZE), DITTO TECH CTR (DPG-138):

8 ft by 22 ft fenced storage building on concrete pad located in the Ditto area, active 1988 through the present. The building is used for temporary storage of hazardous wastes, including lubrication/antifreeze wastes. No stains or cracks were visible in the concrete pad; no spills or leaks were reported by personnel during the Phase I investigation. No further action under the IRP is recommended.

No Photo provided.

Site Type:	Storage Area
Legal Driver:	Corrective Action
Contaminants of Concern:	None
Media of Concern	None
RRSE Rating:	Not Evaluated
Completed IRP Phase to Date:	RFA, Phase I RFI
Current IRP Phase:	Response Complete under the IRP Oct 1997
Future IRP Phase:	None

Recommendation for future response: Active site. Not DERA eligible.

HWHA-9, (MOTOR OIL/ANTIFREEZE), DITTO TECH CTR (DPG-139):

8 ft by 22 ft fenced storage building on concrete pad located in the Ditto area, active 1988 through the present. The building is used for temporary storage of hazardous wastes, including motor oil/antifreeze wastes. No stains or cracks were visible in the concrete pad; no spills or leaks were reported by personnel during the Phase I investigation. No further action under the IRP is recommended.

No Photo provided.

Site Type:	Storage Area
Legal Driver:	Corrective Action
Contaminants of Concern:	None
Media of Concern	None
RRSE Rating:	Not Evaluated
Completed IRP Phase to Date:	RFA, Phase I RFI
Current IRP Phase:	Response Complete under the IRP Oct 1997
Future IRP Phase:	None

Recommendation for future response: Active site. Not DERA eligible.

HWHA-10 (BATTERIES & KOH SOLUTION), DITTO TECH CTR (DPG-140):

8 ft by 22 ft fenced storage building on concrete pad located in the Ditto area, active 1988 through the present. The building is used for temporary storage of hazardous wastes, including battery and KOH wastes. No stains or cracks were visible in the concrete pad; no spills or leaks were reported by personnel during the Phase I investigation. No further action under the IRP is recommended.

No Photo provided.

Site Type:	Storage Area
Legal Driver:	Corrective Action
Contaminants of Concern:	None
Media of Concern	None
RRSE Rating:	Not Evaluated
Completed IRP Phase to Date:	RFA, Phase I RFI
Current IRP Phase:	Response Complete under the IRP Oct 1997
Future IRP Phase:	None

Recommendation for future response: Active site. Not DERA eligible.

HWHA-11 (MOTOR VEHICLE SHOP WASTES), CARR (DPG-141):

8 ft by 22 ft fenced storage building on concrete pad located in the Carr area, active 1988 through the present. The building is used for temporary storage of hazardous wastes, including vehicle shop wastes. No stains or cracks were visible in the concrete pad; no spills or leaks were reported by personnel during the Phase I investigation. No further action under the IRP is recommended.

No Photo provided.

Site Type:	Storage Area
Legal Driver:	Corrective Action
Contaminants of Concern:	None
Media of Concern	None
RRSE Rating:	Not Evaluated
Completed IRP Phase to Date:	RFA, Phase I RFI
Current IRP Phase:	Response Complete under the IRP Oct 1997
Future IRP Phase:	None

Recommendation for future response: Active site. Not DERA eligible.

HWHA-12 (3X WASTE FOR INCINERATORS), CARR (DPG-142):

8 ft by 2 ft fenced storage building on concrete pad located in the Carr area, active 1988 through the present. The building is used for temporary storage of hazardous wastes, including 3X wastes awaiting incineration. No stains or cracks were visible in the concrete pad; no spills or leaks were reported by personnel during the Phase I investigation. No further action under the IRP is recommended.

No Photo provided.

Site Type:	Storage Area
Legal Driver:	Corrective Action
Contaminants of Concern:	None
Media of Concern	None
RRSE Rating:	Not Evaluated
Completed IRP Phase to Date:	RFA, Phase I RFI
Current IRP Phase:	Response Complete under the IRP Oct 1997
Future IRP Phase:	None

Recommendation for future response: Active site. Not DERA eligible.

HWHA-13 (3X MATERIAL), CARR (DPG-143):

Three storage buildings on a concrete pad (100 ft by 200 ft) located in the Carr area, active 1988 through the present. The building is used for temporary storage of hazardous wastes, including 3X material. No stains or cracks were visible in the concrete pad; no spills or leaks were reported by personnel during the Phase I investigation. The area around, under, and adjacent to this site is being investigated as part of DPG-060.

No Photo provided.

Site Type:	Storage Area
Legal Driver:	Corrective Action
Contaminants of Concern:	None
Media of Concern	None
RRSE Rating:	3A
Completed IRP Phase to Date:	RFA, RFI Phase I; Response Complete under the IRP Oct. 1997
Current IRP Phase:	RFI Phase II as Part of DPG-060
Future IRP Phase:	CMS as Part of DPG-060

Recommendation for future response: Future recommendations will be based on RFI Phase II results and included in DPG-060.

HWHA-14 (BLEACH, LAB SOLUTIONS), BAKER (DPG-144):

8 ft by 22 ft fenced storage building on concrete pad located in the Baker area, active 1988 through the present. The building is used for temporary storage of hazardous wastes, including bleach and laboratory solutions. No stains or cracks were visible in the concrete pad; no spills or leaks were reported by personnel during the Phase I investigation. No further action under the IRP is recommended.

No Photo provided.

Site Type:	Storage Area
Legal Driver:	Corrective Action
Contaminants of Concern:	None
Media of Concern	None
RRSE Rating:	Not Evaluated
Completed IRP Phase to Date:	RFA, Phase I RFI
Current IRP Phase:	Response Complete under the IRP Oct 1997
Future IRP Phase:	None

Recommendation for future response: Active site. Not DERA eligible.

HWHA-15 (ENGLISH VILLAGE AUTOSHOP), ENGLISH VILLAGE (DPG-145):

8 ft by 2 ft fenced storage building on concrete pad located in English Village, active 1988 through the present. The building is used for temporary storage of hazardous wastes, including auto shop wastes. No stains or cracks were visible in the concrete pad; no spills or leaks were reported by personnel during the Phase I investigation. No further action under the IRP is recommended.

No Photo provided.

Site Type:	Storage Area
Legal Driver:	Corrective Action
Contaminants of Concern:	None
Media of Concern	None
RRSE Rating:	Not Evaluated
Completed IRP Phase to Date:	RFA, Phase I RFI
Current IRP Phase:	Response Complete under the IRP Oct 1997
Future IRP Phase:	None

Recommendation for future response: Active site. No longer DERA eligible.

TANK TRUCK H2 S04, (DPG-146):

Response Complete in 1993 – Study complete, no cleanup required.	No Photo provided.
AST, DECONTAMINATION PAD, DITTO (DPG-147):	
Response Complete in 1993 – Study complete, no cleanup required.	No Photo provided.
HEALTH CLINIC TANK, ENGLISH VILLAGE (DPG-148):	
Response Complete in 1993 – Study complete, no cleanup required.	No Photo provided.
HEALTH CLINIC TANK, ENGLISH VILLAGE (DPG-149):	
Response Complete in 1993 – Study complete, no cleanup required.	No Photo provided.

WASTE LINES, BLDG 3445 (FORMERLY 3008) CARR (DPG-150):

DPG-150 has been renamed and redefined to investigate the piping leading from Bldg 3445 to DPG-058. Previous site descriptions identified the site as a portion of an active facility used to manage wastes generated in Bldg 3445. That system will be evaluated when the associated facility is closed. DPG-150 is now being investigated as the lines leading from Bldg. 3445 to DPG-058. Phase II RFI activities are currently being implemented.

No Photo provided.

Site Type:	Waste Line
Legal Driver:	Corrective Action
Contaminants of Concern:	CWA, VOCs, and ABPs
Media of Concern	Soil
RRSE Rating:	2A
Completed IRP Phase to Date:	RFA, RFI Phase I
Current IRP Phase:	RFI Phase II
Future IRP Phase:	CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

STAINLESS STEEL SUMP, CARR (DPG-151):

Laboratory test equipment that is part of a system that is has been removed. 350-gallon stainless steel sump located in the Carr area, active 1970's to 1995. The tank was part of the decontamination system (3X) in Building #3445 (formerly Building #3008). The influent line has been plugged. No further action under corrective action permit.

No Photo provided.

Site Type:	Disposal Pit/Dry Well
Legal Driver:	Corrective Action
Contaminants of Concern:	Unknown
Media of Concern	Unknown
RRSE Rating:	Not Evaluated
Completed IRP Phase to Date:	RFA
Current IRP Phase:	Response Complete October 1997
Future IRP Phase:	None

Recommendation for future response: No further action under the IRP is recommended.

STAINLESS STEEL HOLDING TANK, CARR (DPG-152):

Laboratory test equipment that is part of a system that is to be removed or decontaminated. 1000-gallon stainless steel AST located in the Carr area, active 1970's to 1995. The tank was part of the decontamination system (3X) in Building #3445 (formerly Building #3008) and has been removed. The remainder of the system will be evaluated when the associated facility is closed. No further action under the IRP is recommended.

No Photo provided.

Site Type:	Aboveground Storage Tank
Legal Driver:	Corrective Action
Contaminants of Concern:	None
Media of Concern	None
RRSE Rating:	Not Evaluated
Completed IRP Phase to Date:	RFA
Current IRP Phase:	Response Complete October 1997
Future IRP Phase:	None

Recommendation for future response: No further action under the IRP is recommended.

STAINLESS STEEL SUMP, CARR (DPG-153):

Laboratory test equipment that is part of a system that is to be removed or decontaminated. 350-gallon stainless steel sump located in the Carr area, active 1970's to 1995. The tank was part of the decontamination system (3X) in Building #3445 (formerly Building #3008). The influent line has been plugged. No further action under corrective action permit.

No Photo provided.

Site Type:	Disposal Pit/Dry Well
Legal Driver:	Corrective Action
Contaminants of Concern:	Unknown
Media of Concern	Unknown
RRSE Rating:	Not Evaluated
Completed IRP Phase to Date:	RFA
Current IRP Phase:	Response Complete October 1997
Future IRP Phase:	None

Recommendation for future response: No further action under the IRP is recommended.

WASTE LINES, DTC, CARR (DPG-154):

DPG-154 has been renamed and redefined to investigate the piping leading from Defense Test Chamber (DTC) to DPG-051. Previous site descriptions identified the site as a portion of an active facility used to manage wastes generated in DTC. That system will be evaluated when the associated facility is closed. DPG-154 is now being investigated as the lines leading from DTC to DPG-051. Phase II RFI activities are currently being implemented.

No Photo provided.

Site Type:	Waste Line
Legal Driver:	Corrective Action
Contaminants of Concern:	VOCs, SVOCs, CWA, ABPs
Media of Concern	Soil and Groundwater
RRSE Rating:	3A
Completed IRP Phase to Date:	RFA, RFI Phase I
Current IRP Phase:	RFI Phase II
Future IRP Phase:	CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

WASTE TANK, DTC, CARR (DPG-155):

Laboratory test equipment that is part of a system that is to be removed or decontaminated. 750-gallon stainless steel waste tank (AST) located in the Carr area, active after 1986 through present. The tank is part of the decontamination system at the Defense Test Chamber. Because it is currently active, no further action is recommended under the corrective action permit.

No Photo provided.

Site Type:	Aboveground Storage Tank
Legal Driver:	Corrective Action
Contaminants of Concern:	Unknown
Media of Concern	Unknown
RRSE Rating:	Not Evaluated
Completed IRP Phase to Date:	RFA
Current IRP Phase:	Response Complete under the IRP August 1996
Future IRP Phase:	None

Recommendation for future response: No further action under IRP; active site, not DERA eligible.

AST, DTC, CARR (DPG-156):

Laboratory test equipment that is part of a system that is to be removed or decontaminated. 400-gallon stainless steel tank (AST) located in the Carr area, active after 1986 through the present. The tank is part of the decontamination system at the Defense Test Chamber. Because it is currently active, no further action is recommended under the corrective action permit.

No Photo provided.

Site Type: Above Ground Storage Tank
Legal Driver: Corrective Action
Contaminants of Concern: Unknown
Media of Concern: Unknown
RRSE Rating: Not Evaluated
Completed IRP Phase to Date: RFA
Current IRP Phase: Complete under the IRP August 1996
Future IRP Phase: None

Recommendation for future response: No further action under IRP; active site, not DERA eligible

SUMP, DTC, CARR (DPG-157):

Laboratory test equipment that is part of a system that is to be removed or decontaminated. 100-gallon stainless steel sump located in the Carr area, active after 1986 through the present. The tank is part of the decontamination system at the Defense Test Chamber. Because it is currently active, no further action is recommended under the corrective action permit.

No Photo provided.

Site Type: Disposal Pit/Dry Well
Legal Driver: Corrective Action
Contaminants of Concern: Unknown
Media of Concern: Unknown
RRSE Rating: Not Evaluated
Completed IRP Phase to Date: RFA
Current IRP Phase: Response Complete under the IRP January 1996
Future IRP Phase: None

Recommendation for future response: No further action under IRP; active site, not DERA eligible.

EVAPORATION POND, NORTH OF AVERY (DPG-158):

DPG-158 and DPG-162 are located at the northwest end of the runway at Michaels Army Airfield, Ditto. DPG-162 is a concrete decontamination pad that was used to decontaminate aircraft and liquid storage tanks that had been used for agent-simulant testing. Wastewater from the pad was washed into collection sumps that fed the liquid via storm drain to the unlined evaporation pond designated as DPG-158. Groundwater monitoring has been conducted at this site since 1996. IRAs consisted of site controls (warning signs) in 1990, and removal of the drainpipe between DPG-158 and DPG-162 in 1999. Approximately 600 linear feet of vitrified clay pipe was removed and disposed at the DPG landfill. Supplemental site characterization of the pond will occur in 2002.



Site Type:	Surface Impoundment/Lagoon
Legal Driver:	Consent Order
Location	North End of Michael AAF Runway, Evaporation Pond
Dates of Operation	Used From the 1960's to the 1970's
General Size or Dimensions	Approximately 150 Ft by 150 Ft
Contaminants of Concern:	VOCs, BNAs, ABPs, PCBs
Media of Concern	Soil and Groundwater
RRSE Rating:	2A (Medium with Regulatory Agreement)
Completed IRP Phase to Date:	PA/SI; IRA
Current IRP Phase:	Supplemental site characterization; Groundwater Monitoring per Consent Order
Future IRP Phase:	Future IRP Phase: Risk-Based Site Closeout

Recommendation for future response: Groundwater monitoring will continue as a remediation response at this site until closure is approved. Risk-based site closeout is pending limited additional sampling that may be required.

INCINERATOR, ENGLISH VILLAGE (DPG-159):

0.4-acre site of an incinerator located in the English Village area, dates of operation are unknown. The incinerator reportedly had been used to dispose of carcasses and other wastes derived from non-pathogenic animals. However, further interviews revealed that animals were not disposed at this site. Contaminants were not detected above screening levels during the Phase I investigation. However, residual ash was not sampled. Ash was later removed. No further action under the IRP is recommended.

No Photo provided.

Site Type: Surface Disposal Area
Legal Driver: Corrective Action
Contaminants of Concern: Unknown
Media of Concern Unknown
RRSE Rating: 3A (Low with Regulatory Agreement)
Completed IRP Phase to Date: RFA, Phase I RFI
Current IRP Phase: Removed from the IRP Nov. 01
Future IRP Phase: None

Recommendation for future response: No further action under the IRP is recommended.

AIR FORCE 777 RADAR PAD NO. 1 WASTE MANAGEMENT AREA (DPG-160):

Due to the mistaken location of an alleged landfill, this site was administratively closed by UDEQ in 1995.

No Photo provided.

Site Type: Landfill
Legal Driver: Consent Order
Location Alleged Landfill NW of Granite Peak, Adjacent to a Radar Tracking Facility (Pad 777)
Dates of Operation: Not Applicable
General Size or Dimensions: Not Applicable
Contaminants of Concern: Non-Hazardous Solid Waste
Media of Concern Soil
RRSE Rating: Not Evaluated
Completed IRP Phase to Date: PA/SI; IRA
Current IRP Phase: Response Complete under the IRP May 1995
Future IRP Phase: None

Recommendation for future response: Administrative Closure May 1995.

AIR FORCE 777 RADAR PAD NO. 2 FUEL STORAGE AREA (DPG-161):

Site was intended as a fuel storage area but was never used. Consequently, it was administratively closed by UDEQ in 1995.

No Photo provided.

Response Complete

Site Type:	Above Ground Storage Tank
Legal Driver:	Consent Order
Location	N of Granite Peak, NE of Radar Tracking Facility (Pad 777) Fuel Storage Area
Dates of Operation:	Not Applicable
General Size or Dimensions:	Not Applicable
Contaminants of Concern:	Possibly TPH
Media of Concern	Soil
RRSE Rating:	Not Evaluated
Completed IRP Phase to Date:	PA/SI; IRA
Current IRP Phase:	Response Complete under the IRP May 1995
Future IRP Phase:	None

Recommendation for future response: Administrative Closure May 1995.

DECONTAMINATION PAD, NORTH OF AVERY (DPG-162):

DPG-162 consists of a concrete decontamination pad that was used to decontaminate aircraft and liquid storage tanks that were used in agent-simulant testing. The decontamination pad measures 300 ft by 300 ft with a 6.5-inch-high concrete berm on three sides and sumps in the western and southern corners. Bleach and caustic soda were used as the decontamination liquids at the site. Wastewater from the pad was washed into collection sumps that fed the liquid to the unlined evaporation pond designated as DPG-158. Hazardous waste operations ceased after designation as a HWMU. However, the site remains in use for tests/training and as a temporary staging area for aircraft from Hill AFB required to land at Dugway. Groundwater monitoring has been conducted at DPG-158 since 1996. IRAs consisted of site controls (warning signs) in 1992, and removal of drainpipe connecting DPG-158 and DPG-162 in 1999. Approximately 600 linear feet of vitrified clay pipe was removed and disposed at the DPG landfill and the sumps were grouted closed. Risk-based closure is recommended at this site. However, based on comments from DSHW, sampling of the concrete pad and underlying soils may be necessary to attain closure.



Site Type:	Decontamination Pad
Legal Driver:	Consent Order
Location	North End of Michael AAF Runway
Dates of Operation:	Used From the 1960's to Present
General Size or Dimensions	Approximately 300 Ft by 300 Ft
Contaminants of Concern:	VOCs, BNAs, ABPs, PCBs, and Metals
Media of Concern	Soil and Groundwater
RRSE Rating:	2A (Medium with Regulatory Agreement)
Completed IRP Phase to Date:	PA/SI; IRA
Current IRP Phase:	Nature and Extent Investigation; Groundwater Monitoring at DPG-158
Future IRP Phase:	Risk-Based Site Closeout
Recommendation for future response:	Groundwater monitoring will continue as a remediation response at DPG-158 until closure is approved. Risk-based site closeout is pending limited additional sampling that may be required.

FIRE TRAINING AREA, DITTO (DPG-163):

DPG-163 is located in an open area (400 ft by 300 ft) east of the Fire Department and north of Tucker Street at Ditto. The site consists of a former fire training pit, a former fuel drum storage area, and a former fuel storage tank site (AST). During its period of operation, staged metal drums were cut in half longitudinally and arranged in the shape of an airplane and then used to conduct fire training exercises. In 1986, the pit was backfilled, regraded, and covered with gravel. The AST was eventually relocated off-site. Warning signs were placed in 1992. Remedial design is recommended.

No Photo provided.

Site Type:	Training Area with Contaminated Soil
Legal Driver:	Consent Order
Location	North of Ditto Technical Center, East of Fire Department
Dates of Operation:	Used From 1978 to 1986
General Size or Dimensions:	400 Ft by 300 Ft Open Area
Contaminants of Concern:	TPH, VOCs, PAHs, and Pesticides
Media of Concern	Soil and Possibly Groundwater
RRSE Rating:	1A (High with Regulatory Agreement)
Completed IRP Phase to Date:	PA/SI; IRA
Current IRP Phase:	Closure Plan Submitted to UDEQ; RD
Future IRP Phase:	RA; Risk-Based Site Closeout

Recommendation for future response: RD/RA at this site will consist of supplemental environmental sampling to complete the characterization and removal of the concrete pad, followed by possible post-closure groundwater monitoring.

WASH RACK NO. 1, AVERY (DPG-164):

Risk to human health and the environment, and further degradation of the environment at this site is not expected. This site underwent administrative closure by UDEQ in 1996.

No Photo provided.

Site Type:	Washrack
Legal Driver:	Consent Order
Location	Avery Technical Center, Adjacent to Bldg 1020
Dates of Operation:	Used From 1980 to 1989
General Size or Dimensions:	50 Ft by 50 Ft
Contaminants of Concern:	VOCs, BNAs, and Metals
Media of Concern	Soil and Possibly Groundwater
RRSE Rating:	3A
Completed IRP Phase to Date:	PA/SI; IRA, Nature and Extent Investigation, Closure Plans, Complete under the IRP Oct 1996
Current IRP Phase:	None
Future IRP Phase:	None

Recommendation for future response: Administrative closure Sep. 1996.

WASH RACK NO. 2, AVERY (DPG-165):

Aluminum wash rack in Avery used to clean uncontaminated Air Force vehicles with water from an adjacent water hydrant, approximately 1987 to 1989. The types of vehicles cleaned at the unit included all types of military and nonmilitary vehicles ranging from pick-ups to bulldozers. In 1991, the site was noted as being covered by an asphalt parking lot. Warning signs were placed at the site in 1992. Limited additional sampling is required to complete the characterization. Risk-Based Closure with possible remedial design is recommended for this site.

No Photo provided.

Site Type:	Washrack
Legal Driver:	Consent Order
Location	Avery Technical Center, East of Bldg 1012 Wash Rack
Dates of Operation:	Used From 1987 to 1989
General Size or Dimensions:	Wash Rack Approximately 30 Ft by 30 Ft
Contaminants of Concern:	VOCs, BNAs, and Metals
Media of Concern	Soil and Possibly Groundwater
RRSE Rating:	3A (Low with Regulatory Agreement)
Completed IRP Phase to Date:	PA/SI; IRA
Current IRP Phase:	Nature and Extent Investigation
Future IRP Phase:	Possible RD/RA; Risk-Based Site Closeout

Recommendation for future response: No major contamination was detected at this site. This site could be recommended for possible removal action, pending outcome of Nature and Extent Investigation.

WASH RACK NO. 3, AVERY (DPG-166):

Concrete wash rack and sump in Avery used to wash railcars that had contained radioactive cobalt, closed 1961. Warning signs were placed at the site in 1992. This site qualifies for risk-based clean closure. Thus, a request for administrative closure was submitted to UDEQ in 1996.

No Photo provided.

Site Type:	Washrack
Legal Driver:	Consent Order
Location	Avery Technical Center, Near Bldg S1007 Concrete Wash Rack
Dates of Operation:	Used From the 1950's to 1961
General Size or Dimensions:	Approximately 100 Ft by 100 Ft
Contaminants of Concern:	VOCs, BNAs, Metals; Alpha, Beta, and Gamma Radiation
Media of Concern	Soil and Possibly Groundwater
RRSE Rating:	1A (High with Regulatory Agreement)
Completed IRP Phase to Date:	PA/SI; IRA, Nature and Extent Investigation, Closure Plans,
Current IRP Phase:	Response Complete under the IRP Oct 1996
Future IRP Phase:	None

Recommendation for future response: Administrative closure Sep 1996.

CONTAMINATED SOIL @ BLDG. 4358, DITTO (DPG-167):

Contaminated soil associated with activities at wash platform in Ditto. From the late 1950s to 1988 uncontaminated vehicles were cleaned using water on the platform. Since then, the platform has been used on occasion by employees to wash uncontaminated vehicles using water alone or water with detergent. Warning signs were placed at this site in 1992. Limited additional sampling is required to complete the characterization. Risk-based site closeout is recommended.

No Photo provided.

Site Type:	Washrack
Legal Driver:	Consent Order
Location	Ditto Technical Center, Bldg 4358 Wash Platform
Dates of Operation:	Used From the 1950's to 1968
General Size or Dimensions:	50 Ft by 25 Ft Area
Contaminants of Concern:	VOCs, BNAs, and Metals
Media of Concern	Soil and Possibly Groundwater
RRSE Rating:	3A (Low with Regulatory Agreement)
Completed IRP Phase to Date:	PA/SI; IRA
Current IRP Phase:	Nature and Extent Investigation
Future IRP Phase:	Risk-Based Site Closeout

Recommendation for future response: No major contamination has been detected at this site. Limited additional sampling is necessary to attain risk-based closure.

VEHICLE WASH RACK (FORMER AGENT TRANSFER AREA), CARR (DPG-168):

Roofed and bermed (on three sides) concrete pad of 35 ft by 20 ft, located at Carr facility. Engineering drawings of the unit indicate its construction in 1952. The unit was initially used as a mix-and-transfer facility for chemical agent and agent simulant, and later was used as a wash rack for agent contaminated vehicles. According to DPG personnel, red stained soils and discharged liquids have been observed in the area. A dry well has been identified at this site. However, DPG has determined that the well is used to drain water supply lines and not to dispose of wastes. Warning signs were placed on the site in 1992. Limited additional sampling is required to complete the characterization. Remedial design is recommended at this site.

No Photo provided.

Site Type:	Washrack
Legal Driver:	Consent Order
Location	Carr Facility, Wash Rack Adjacent to Bldg 3257
Dates of Operation:	Used From 1952 to the 1980's
General Size or Dimensions:	Approximately 200 Ft by 200 Ft
Contaminants of Concern:	VOCs, BNAs, Explosives, ABPs, and Metals
Media of Concern	Soil and Possibly Groundwater
RRSE Rating:	1A (High with Regulatory Agreement)
Completed IRP Phase to Date:	PA/SI; IRA
Current IRP Phase:	IRA; Nature and Extent Investigation; RD
Future IRP Phase:	RA; Risk-Based Closure

Recommendation for future response: Demolition and removal of concrete pad and structures may be required for closure at this site, as well as cleanup of contaminated surface and subsurface soils.

VEHICLE WASH RACK, BAKER (DPG-169):

Located in the Baker area, DPG-169 was used approximately once each year to clean and maintain vehicles. Interviews with DPG employees indicate that vehicles brought to DPG-169 may have been used in agent tests or other field tests. Vehicles were likely decontaminated at DPG-013 prior to being brought to DPG-169. The site consists of two concrete pads, a concrete trough, and an unlined evaporation pond. Warning signs were placed in 1992. Sampling locations to complete the characterization have been agreed upon with UDEQ. Sampling will occur in 2002. Structure decontamination may also be required to attain risk-based closure.

No Photo provided.

Site Type:	Washrack
Legal Driver:	Consent Order
Location	Baker Laboratory (Bldg. 2006), Wash Rack
Dates of Operation:	Used in the 1960's
General Size or Dimensions:	Approximately 3-Acres
Contaminants of Concern:	VOCs, BNAs, ABPs, and Metals
Media of Concern	Soil and Possibly Groundwater
RRSE Rating:	2A
Completed IRP Phase to Date:	PA/SI; IRA
Current IRP Phase:	RD
Future IRP Phase:	RA; Risk-Based Site Closeout

Recommendation for future response: No major contamination has been detected at this site. Additional sampling scheduled for 2002 will complete the characterization.

STEAM CLEANING AREA, ENGLISH VILLAGE (DPG-170):

This site qualifies for risk-based closure and therefore has been administratively closed by the UDEQ.

No Photo provided.

Site Type:	Washrack
Legal Driver:	Consent Order
Location	English Village, Steam Cleaning Area Bldg 5982
Dates of Operation:	Not Applicable
General Size or Dimensions:	Approximately 35 Ft by 15 Ft
Contaminants of Concern:	VOCs, BNAs, Pesticides, and Metals
Media of Concern	Soil and Possibly Groundwater
RRSE Rating:	3A (Low with Regulatory Agreement)
Completed IRP Phase to Date:	PA/SI; IRA, Nature and Extent Investigation, Closure Plans
Current IRP Phase:	Response Complete under the IRP Oct. 1996
Future IRP Phase:	None

Recommendation for future response: Administrative closure Sep 1996.

BZ CONTAMINANT, BUILDING 2006, BAKER (DPG-171):

1,200 sq ft building located in the Baker area, built in 1961. Used for decontamination of agent-contaminated vehicles and equipment. Waste generation amount and date operations ceased are unknown. Current use is as a storage facility, not for BZ operations. Floor drains route liquid through two sand traps prior to discharge into the sewer. One sample was taken from each sand trap and numerous VOCs, SVOCs, PAHs, and metals were detected. A Phase II RFI is ongoing. A Source Removal Investigation and Voluntary Interim Measures Work Plan is in place to remove the contents of the sand traps and complete the site characterization.

No Photo provided.

Site Type: Contaminated Buildings
Legal Driver: Corrective Action
Contaminants of Concern: Benzo(a)anthracene, Lead
Media of Concern: Soil
RRSE Rating: 2A
Completed IRP Phase to Date: RFA, Phase I RFI
Current IRP Phase: Phase II RFI;
Future IRP Phase: CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

OLD BATTERY SHOP, BLDG. 1008, AVERY (DPG-172):

0.6-acre site of an inoperative battery shop located in Avery, active dates unknown. The site was used for processing and recharging cadmium and nickel batteries, and waste caustic solutions (containing metals) were reportedly disposed onto the ground at the site. An area of stained soil near the southeastern perimeter (fenceline) was sampled and found to contain anomalous amounts of lead. Approximately 2 cubic yards of soil were removed and confirmation samples were collected during Phase I activities. A Phase II RFI is underway to complete site characterization.

No Photo provided.

Site Type: Contaminated Buildings
Legal Driver: Corrective Action
Contaminants of Concern: Lead
Media of Concern: Soil
RRSE Rating: 1A
Completed IRP Phase to Date: RFA, IRA, Phase I RFI
Current IRP Phase: Phase II RFI
Future IRP Phase: CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

OLD BATTERY SHOP, DITTO (DPG-173):

0.75-acre site of two former lead acid battery buildings located in the Ditto area, active 1942 to 1962. The buildings reportedly burned down and only the concrete foundations (approximately 150 cu yds) remain. Two debris piles have also existed on the site, including approximately 6 tons of asphalt and stained soil that was removed under base contract. The debris consisted of dark stained soil, asphalt and a white powdery material. VOCs, SVOCs, and metals have been detected in surface and shallow sub-surface soils; a Phase II RFI is recommended to determine the extent of contamination. Limited soil and debris removal may be performed to facilitate Phase II RFI activities.

No Photo provided.

Site Type:	Contaminated Buildings
Legal Driver:	Corrective Action
Contaminants of Concern:	VOCs, SVOCs, Metals
Media of Concern	Soil
RRSE Rating:	1A
Completed IRP Phase to Date:	RFA; IRA; Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

STORAGE SHEDS, BAKER (DPG-174):

Site consists of four small storage buildings located northwest of the Baker Laboratory. The buildings were used for storing small amounts of radioactive materials mixed in solvents. Between 1980 and 1985, material was transported from East Granite Holding Area to one of the storage buildings. No signs or spills have been reported at the site. IRAs (non-soil material) occurred at the site in 1992 and 1993. No further action under the IRP is planned for closure of this site.

No Photo provided.

Site Type:	Storage Activity
Legal Driver:	Corrective Action
Contaminants of Concern:	None
Media of Concern	None
RRSE Rating:	Not Evaluated
Completed IRP Phase to Date:	RFA; IRAs
Current IRP Phase:	Response Completed under the IRP March 1998
Future IRP Phase:	None

Recommendation for future response: No further action under the IRP is recommended.

ACID NEUTRALIZATION TANK, AVERY (DPG-175):

0.1-acre site presently consisting of two heating oil USTs, located in the Avery area. The site formerly consisted of an AST, and a UST, present at the site prior to 1972. The AST was utilized for neutralization of photographic solution, and the UST contained heating oil. The acid neutralization tank was removed in 1972 or 1973. The original UST was removed in 1989 or 1990 and replaced with two other USTs, used for heating oil. Petroleum contamination is evident in soil at fill-pipes. A Phase II RFI is underway. This site has been combined into DPG-041 for the RFI Phase II investigation.

No Photo provided.

Site Type: Underground Storage Tanks
Legal Driver: Corrective Action
Contaminants of Concern: TPHC, Arsenic
Media of Concern: Soil
RRSE Rating: 1A
Completed IRP Phase to Date: RFA, Phase I RFI
Current IRP Phase: Phase II RFI
Future IRP Phase: CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

ACID DILUTION BOX, BLDG. 4026, DITTO (DPG-176):

Approximate 40 cu ft acid dilution box (sump) located in Avery near Michael AAF, active dates unknown. The box was reportedly used to contain fire extinguisher recharge material through acid resistant piping that led to the sump, and ultimately to the Imhoff tank at Ditto. A sample taken of liquid inside the box contained VOCs, SVOCs, TOC, TPHC, and metals. Soil adjacent to the box was sampled and had no detections above the screening level. Removal and disposal of the liquid contents of the box was completed in Oct 95 in accordance with a work plan approved by DSHW in Sept 95. No further action is recommended.

No Photo provided.

Site Type: Underground Storage Tank
Legal Driver: Corrective Action
Contaminants of Concern: TPHC, Arsenic
Media of Concern: Soil
RRSE Rating: 1A
Completed IRP Phase to Date: RFA, Phase I RFI, FRA
Current IRP Phase: Response Complete December 1998
Future IRP Phase: None

Recommendation for future response: No further action under the IRP is recommended.

OLD DRY CLEANING SHOP (BLDG 4229) AND DITTO SEWER SYSTEM, DITTO (DPG-177):

5,600 sq ft laundry building located in the Ditto area, active 1950's to present. Bldg. 4229 was formerly used to clean protective clothing worn in the laboratories and during field tests. However, Bldg. 4229 is no longer used for dry cleaning. A soil gas survey was performed and detected TCE and PCE in an area near the reported location of the building's sewer line. Based on that information, the site was expanded as the contamination has migrated through the Ditto sewer system. A Phase II RFI is underway. The Phase II RFI is considering the entire sewer system at Ditto. Other buildings in Ditto, such as the photo building and the chemical laboratories may have also contributed to sewer system contamination. A Source Removal Investigation and Voluntary Interim Measures Work Plan is in place to replace broken sewer line sections and contaminated soil and to complete the site characterization.

No Photo provided.

Site Type:	Contaminated Building and Sewer Lines
Legal Driver:	Corrective Action
Contaminants of Concern:	TCE; PCE
Media of Concern	Groundwater and Soil
RRSE Rating:	1A
Completed IRP Phase to Date:	RFA, Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

PHOTO PROCESSING BUILDING # 4258, DITTO (DPG-178):

0.5-acre site of building converted to photo lab and abandoned septic tank, located in the Ditto area, active 1961 to present. Photo-processing system has reportedly always included some form of silver recovery since processing began in 1961. Arsenic was the only analyte detected above the screening level, and is believed to reflect higher background levels at the site. No further action is recommended.

No Photo provided.

Site Type:	Contaminated Buildings
Legal Driver:	Corrective Action
Contaminants of Concern:	TCE; PCE
Media of Concern	Soil
RRSE Rating:	3A
Completed IRP Phase to Date:	RFA, Response Complete
Current IRP Phase:	None
Future IRP Phase:	None

Recommendation for future response: Active site. Not DERA eligible.

SUMPS, BLDGS. 3048 & 3342, CARR (DPG-179):

Four sumps (two at each building) located in the Carr area, constructed in 1987. The buildings remain in use, but the drain-connected wastewater sumps for each building have been plugged; the sewage sump at each building is still in use. Building 3084 is used for artillery maintenance and drain wastewater may have previously contained oils and solvents. Building 3342 is currently housing an ACWA project. The sumps at Bldg 3342 may have overflowed in the past. No significant detections were made in the soils sampled during the Phase I investigation. Only the wastewater sumps remain an issue. Soil gas samples are being collected during RFI Phase II activities. Material samples from the gray water tanks are also planned.

No Photo provided.

Site Type:	Disposal Pit/Dry Well
Legal Driver:	Corrective Action
Contaminants of Concern:	VOCS, SVOCs, Metals, Explosives
Media of Concern	Soil
RRSE Rating:	3A
Completed IRP Phase to Date:	RFA, Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

OLD BIO LABORATORY, WEST OF CARR (INCL DPG-105) (DPG-180):

4-acre site of former biological laboratory complex located in the Carr area, active 1950's to 1960's. The site consists of six concrete building foundations, a sewer system, a former waste pile site, and an earthen bunker. This area was formerly referred to as GPI-1, and was reportedly the site of biological simulant studies until it was razed in the mid-1960's. VOCs, SVOCs, pesticides, and metals were detected in soils at the site; a Phase II RFI is recommended. Also at the site is DPG-105, a landfill (at least 0.4-acre) that had been active prior to the 1960's. The site consists of a partially backfilled trench (70 ft by 15 ft) and a drainage area. The trench was reportedly used for disposal of materials generated from the GPI-1 area, where crop warfare studies were performed. There is no evidence that biological agent wastes and/or residues were disposed at the site; wastes visible in the trench include construction debris, scrap ordnance materials, laboratory glassware, and small animal cages. Only surface debris has been removed. A UST is present at the site. The UST was likely used to hold heating oil. Based on the presence of soil contamination at this site, a Source Removal Investigation and Voluntary Interim Measures Work Plan is in place to remove a waste UST and contaminated soil and to complete the site characterization. Phase II RFI is underway. Current work has focused on locating the leading edge of the groundwater contamination plume.

No Photo provided.

Site Type:	Contaminated Building and Waste Lines
Legal Driver:	Corrective Action
Contaminants of Concern:	VOCs, SVOCs, Pesticides, and Metals
Media of Concern	Groundwater and Soil
RRSE Rating:	1A
Completed IRP Phase to Date:	RFA, Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

X-RAY LABORATORY, BLDG. 3131, CARR (DPG-181):

Laboratory building (3,600 sq ft) on 1-acre site in the Carr area, active 1963 to present. X-ray film processing wastes are generated in the laboratory, but only since a fully-contained waste recycling system has been installed for the development process wastes. Previous uses of the building (before 1988) include vibration testing, high altitude testing, high humidity testing, and possible painting activities. In 1990, a sewer rupture was discovered near the northwest perimeter of the site and red-stained soil was encountered during excavation. Analysis of the stained soil revealed that no hazardous substances were present. No further action is recommended.

No Photo provided.

Site Type:	Waste Lines
Legal Driver:	Corrective Action
Contaminants of Concern:	None
Media of Concern	None
RRSE Rating:	2A
Completed IRP Phase to Date:	RFA
Current IRP Phase:	Response Complete March 1998
Future IRP Phase:	None

Recommendation for future response: This site is an active site. Not DERA eligible.

OPEN DETONATION UNIT, SUPPRESSIVE TEST SHIELD (DPG-182):

0.3-acre site of an inactive detonation building located in the Tower Grid area, active dates unknown. The detonation unit (10 ft by 15 ft by 10 ft high) is constructed of several layers of steel and stands on a concrete pad. The unit was used for disposal of unwanted explosive material; reportedly, no chemical or biological munitions were detonated at the site. Approximately 4.1 tons of scrap metal surface debris was removed under base contract and hauled to the DRMO for disposal. No analytes were detected above the screening level during the Phase I investigation. No further action under the IRP is recommended.

No Photo provided.

Site Type:	Contaminated Buildings
Legal Driver:	Corrective Action
Contaminants of Concern:	None
Media of Concern	None
RRSE Rating:	3A
Completed IRP Phase to Date:	RFA, Phase I RFI; IRA
Current IRP Phase:	Response Complete under the IRP March 1998
Future IRP Phase:	None

Recommendation for future response: No further action under the IRP is recommended

B-29 AIRCRAFT, WEST OF GRANITE PEAK (DPG-183):

2.7-acre site of a partially buried B-29 fuselage and drum disposal area located west of Granite Peak, active dates unknown. The aircraft had reportedly been used during agent testing and may have been contaminated with agent. It is uncertain whether the aircraft had crashed at the site, or if the site had been used for chemical agent tests. Decomposed fragments of drums are located in a small drainage ravine to the east of the aircraft. The source and contents of the drums are unknown. A Phase II RFI is underway. A Source Removal Investigation and Voluntary Interim Measures Work Plan is in place to remove the remaining debris and possible contaminated soil and to complete the site characterization.

No Photo provided.

Site Type:	Surface Disposal Area
Legal Driver:	Corrective Action
Contaminants of Concern:	Unknown
Media of Concern	Unknown
RRSE Rating:	3A
Completed IRP Phase to Date:	RFA, Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response:	Final remedy selection will follow completion of the Phase II RFI.
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AIR FILTER SYSTEM, BLDG. 1004, AVERY (DPG-184):

Air filter system located in the Ditto area, active 1950's to 1960's. The building contains fiberglass filter banks used to filter radioactive dust from the air in the radiological testing facility complex. Once spent, the filters were pre-treated for disposal by immersion in water in a filter-decaying chamber. The filters were immersed until radioactivity levels were diminished enough to allow for disposal (at an unknown location). Contaminated wastewater was disposed into an evaporating pond (DPG-041). For the RFI Phase II, this site has been combined with DPG-041. A Phase II RFI is underway as DPG-041.

No Photo provided.

Site Type:	Waste Lines
Legal Driver:	Corrective Action
Contaminants of Concern:	Radioactivity, VOCs, SVOCs, Metals
Media of Concern	Unknown
RRSE Rating:	2A
Completed IRP Phase to Date:	RFA, Phase I RFI
Current IRP Phase:	None
Future IRP Phase:	None under DPG-184. Any future activities will be performed under DPG-041

Recommendation for future response:	Phase II RFI is recommended and will be included as part of the DPG-041 investigation.
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OLD CHEMICAL LABORATORY, BLDG. 4151, DITTO (DPG-185):

1-acre site of a chemical laboratory and storage area located in Ditto. A demolition in 1996 removed all structures except the foundation and buried waste lines. Contaminants suspected from previous lab activities include F999 wastes and solvents. A source removal and investigation is planned during the Phase II RFI to remove the remaining debris and complete the characterization.

No Photo provided.

Site Type:	Contaminated Building
Legal Driver:	Corrective Action
Contaminants of Concern:	Potential F999 Wastes, Solvents
Media of Concern	Unknown
RRSE Rating:	2A
Completed IRP Phase to Date:	RFA, Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response:	Final remedy selection will follow completion of the Phase II RFI. Any releases to sewer system have been proposed for inclusion in DPG-177.
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CHEMICAL LABORATORY, DITTO (DPG-186):

2.3-acre site of chemical laboratory located in the Ditto area, active late 1980s through the present. Currently, this building houses administrative offices and the new laboratory. The goal of the Phase I investigation was to investigate the sewer line exiting the buildings. However, the uncertain location of the line and the presence of older piping have made selection of sampling locations difficult. The location of a former drum storage area has never been identified. Site has been removed from the investigation.

No Photo provided.

Site Type:	Contaminated Buildings
Legal Driver:	Corrective Action
Contaminants of Concern:	Potential F999 Wastes
Media of Concern	Soil
RRSE Rating:	2A
Completed IRP Phase to Date:	RFA
Current IRP Phase:	RC
Future IRP Phase:	None

Recommendation for future response:	No further action under the IRP is recommended.
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PRINT SHOP, BLDG. 5466, ENGLISH VILLAGE (DPG-187):

Print shop in the English Village area on 0.2-acre site, active 1951 to present. The site consists of roof drains, sewer lines, and a 5,000-gallon UST containing heating oil (still active) on the building's southeast side. The building is currently used as a warehouse and office space. Contaminants typical of printing processes (i.e., petroleum hydrocarbons, chlorinated solvents and metals) were suspected in the sewer pipes exiting the building. However, no analytes were detected above the screening level. No further action is recommended.

No Photo provided.

Site Type:	Contaminated Buildings
Legal Driver:	Corrective Action
Contaminants of Concern:	None
Media of Concern	None
RRSE Rating:	2A
Completed IRP Phase to Date:	RFA, Phase I RFI
Current IRP Phase:	Response Complete March 1999
Future IRP Phase:	None

Recommendation for future response: Active site not DERA eligible. Releases to sewer system have been proposed for inclusion in DPG-044.

WASTE PIT, NORTH OF RISING SUN GRID (DPG-188):

Waste pit and associated soil mound on 0.1 acre site located in the Tower Grid area, active dates unknown. The pit is two feet deep and approximately 30 ft in diameter. In 1993, approximately 10 tons of surface material was removed under base contract for disposal at DPG landfill. Debris removed from the site included spent projectiles, burnt 6-volt dry cell batteries, electrical wire, electrical junction boxes, scrap wood, and miscellaneous range debris. Prior investigations revealed several metals that were detected well above background tolerance levels. Because of the limited size of the contaminated area, it is recommended that soil at the bottom of the pit be excavated and properly disposed. No further action is recommended following confirmation sampling.

No Photo provided.

Site Type:	Landfill
Legal Driver:	Corrective Action
Contaminants of Concern:	Metals
Media of Concern	Soil
RRSE Rating:	2A
Completed IRP Phase to Date:	IRA, Phase I RFI
Current IRP Phase:	FRA
Future IRP Phase:	None

Recommendation for future response: No further action is recommended following the removal action and confirmation sampling.

WASTE PIT, NORTH OF RISING SUN GRID (DPG-189):

Waste pit and associated soil mound on 0.7-acre site located in the Tower Grid area, active dates unknown. The pit is six feet deep and approximately 25 ft in diameter. It is believed that range-related wastes were disposed in the pit. In 1993, approximately 15 tons of debris was removed from the pit under base contract. Debris disposed at the DPG landfill included empty metal drums, canvas, wooden pallets, galvanized garbage cans, and miscellaneous rubbish. Salvageable drums were taken to the DRMO. For safety reasons, sampling was conducted only around the perimeter of the pit during the Phase I investigation. A Phase II RFI is underway.

No Photo provided.

Site Type: Landfill
Legal Driver: Corrective Action
Contaminants of Concern: ABPs
Media of Concern: Soil
RRSE Rating: 2A
Completed IRP Phase to Date: Phase I RFI
Current IRP Phase: Phase II RFI
Future IRP Phase: CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

RANGER LANDFILL, PRIME ROAD GRAVEL PIT (DPG-190):

Old gravel pit excavated into a hillside off Prime Road, active 1988 through 1992. Previous inspections of the site noted 12-small unlined pits within the larger pit. The pit was used for disposal of wastes generated during range-clearance activities by a Ranger Training Detachment from Fort Hood, Texas. These wastes included miscellaneous trash, scrap metal, vehicles, empty containers, ordnance-related debris, batteries and maintenance-related waste oil. Removal of surface wastes occurred in 1993 under base contract. Salvageable scrap metal was taken to the DRMO, small arms brass and ammunitions were taken to the Ammunition Accountability Branch, waste oil was disposed through the used oil recycling program at DPG, and miscellaneous debris was taken to DPG landfill. Remedial design is recommended.

No Photo provided.

Site Type: Surface Disposal Area
Legal Driver: Consent Order
Location: North of Michael AAF, on Prime Road
Dates of Operation: Used From 1988 to 1992
General Size of Dimensions: Approximately 10 Acres
Contaminants of Concern: VOCs, BNAs, TPH, and Metals
Media of Concern: Soil and Possibly Groundwater
RRSE Rating: 1A
Completed IRP Phase to Date: PA/SI, IRA
Current IRP Phase: Additional Nature and Extent Investigation to complete TPH characterization.
Future IRP Phase: RD/RA; Risk-Based Site Closeout

Recommendation for future response: TPH detections were high and DSHW comments indicate that additional characterization and soil removal may be required. Additional debris has been located on top of the west wall and may need to be disposed to attain closure.

LANDFILL, WEST OF EXISTING LANDFILL (DPG-191):

Suspected landfill (300 ft by 40 ft by 10 ft high) site in the English Village area, active dates unknown. The site consists of an elongated mound surrounded by disturbed ground that could possibly have been a former pistol range. No historical information regarding past use of the site was available at the time of the Phase I investigation. Only minor geophysical anomalies were detected during a geophysical survey of the mound area; no wastes were observed during test pit excavation of Phase I; no analytes were detected above the screening levels. No further action under the IRP is recommended.

No Photo provided.

Site Type:	Landfill
Legal Driver:	Corrective Action
Contaminants of Concern:	None
Media of Concern	None
RRSE Rating:	3A
Completed IRP Phase to Date:	Phase I RFI
Current IRP Phase:	Response Complete under the IRP Sept. 1999
Future IRP Phase:	None

Recommendation for future response: No further action under the IRP is recommended.

LANDFILL, 63 PITS, WEST OF GRANITE PEAK (DPG-192):

Area of unknown size located in the Granite Mountain area, active from an uncertain time until the mid-1970's. The area was used to store toxic residue from open-air testing of agent munitions performed at Dugway prior to the 1969 ban. Two CONEX containers were utilized for this purpose. The site was also used during the demilitarization of 36,000 M55 rockets by burning in 61 open trenches. The 61 burn pits used in the demilitarization of M55 rockets were excavated and material removed between 1975 and 1976. The material was screened and transported to DPG-009 for detonation or neutralization, depending on contents. This site was added to the RFI after the RFA; a Phase II RFI is underway.

No Photo provided.

Site Type:	Landfill
Legal Driver:	Corrective Action
Contaminants of Concern:	ABPs, Explosives, Metals, Chemical Agents, UXO, PCBs
Media of Concern	Soil and Groundwater
RRSE Rating:	1A
Completed IRP Phase to Date:	IRA, Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

GENERATOR STAND/STAGING AREA, WEST OF GRANITE PEAK (DPG-193):

Elevated generator stand and staging area (approximately 15 ft by 20 ft) in the Granite Mountain area, active dates unknown. The pad area also includes a 20 ft by 20 ft section of marston matting on the ground which is partially covered with soil. Glass fragments were encountered in subsurface soil during Phase I activities. A Source Removal Investigation and Voluntary Interim Measures Work Plan is in place to remove the generator stand and matting.

No Photo provided.

Site Type:	Waste Pile
Legal Driver:	Corrective Action
Contaminants of Concern:	Unknown
Media of Concern	Unknown
RRSE Rating:	3A
Completed IRP Phase to Date:	Phase I RFI
Current IRP Phase:	FRA during Phase II RFI activities
Future IRP Phase:	Site Closeout

Recommendation for future response: Debris removal and confirmation sampling to close site.

LANDFILL, EAST OF CARR (DPG-194):

Three separate sites (A, B and C) of three trenches located in the Carr area, believed to have been active during the 1940's. The trenches are suspected of containing chemical munitions. Partially buried debris, including miscellaneous metal scrap, bomb and incendiary fragments, and gas cylinder fragments were observed at all three trench sites. Substantial geophysical anomalies were detected at all three sites. Area B contains a 3 ft high soil mound and an area of purple-stained soil within the trench. Because of the explosive risk and the potential for agent contamination associated with all three areas, no sampling was performed during the Phase I investigation. A Phase II RFI is underway.

No Photo provided.

Site Type:	Landfill
Legal Driver:	Corrective Action
Contaminants of Concern:	CWA, ABPs
Media of Concern	Soil and Groundwater
RRSE Rating:	1A
Completed IRP Phase to Date:	Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

INCINERATOR, EAST OF CARR (DPG-195):

0.1-acre site of former incinerator located in the Carr area, active dates unknown. The site consisted of an incinerator, a drum storage area, a 300-gallon fuel tank, and a fuel line. The incinerator was a 300-400 gallon tank containing ash, cans, animal bones, and was reportedly used for disposal of chemical munitions fuses. The incinerator and ash, fuel tank and metal drums were removed under base contract with debris disposed of at Grassy Mountain facility; no analytes were detected above screening levels. No further action under the IRP is recommended.

No Photo provided.

Site Type:	Burn Area
Legal Driver:	Corrective Action
Contaminants of Concern:	None
Media of Concern	None
RRSE Rating:	3A
Completed IRP Phase to Date:	IRA; RFI Phase I
Current IRP Phase:	Response Complete under the IRP Sept. 1999
Future IRP Phase:	None

Recommendation for future response: No further action under the IRP is recommended.

INCINERATOR, EAST OF CARR (DPG-196):

1.1-acre site of a former brick incinerator located 0.9 mile east of Carr area, active 1940's to 1950's. The site consisted of a concrete pad that supported the incinerator, various tanks, and a metal drum. The area was apparently used for the removal of chemical munitions fuses. The incinerator, bricks and tanks were removed under base contract (with some debris remaining on the site), and disposed of at the Grassy Mountain facility; no analytes were detected above the screening levels. No further action under the IRP is recommended.

No Photo provided.

Site Type:	Burn Area
Legal Driver:	Corrective Action
Contaminants of Concern:	None
Media of Concern	None
RRSE Rating:	3A
Completed IRP Phase to Date:	RFA; RFI Phase I
Current IRP Phase:	Response Complete under the IRP Sept. 1999
Future IRP Phase:	None

Recommendation for future response:	Final remedy selection will follow completion of the Phase II RFI.
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LANDFILL, OLD TARGET SITE, DOWNWIND GRID (DPG-197):

0.5-acre landfill site located in the Downwind Grid area, active dates unknown. The site consists of a backfilled trench (100 ft by 7 ft), and a rectangular pad (100 ft by 20 ft) made of marston matting. The pad may have been used as a decontamination pad. Ordnance debris is scattered across the site. The site was not included in the RFA; no historical information regarding the site was available during the Phase I investigation. A Phase II RFI is underway. A Source Removal Investigation and Voluntary Interim Measures Work Plan is in place to remove the matting and complete the site characterization.

No Photo provided.

Site Type:	Landfill
Legal Driver:	Corrective Action
Contaminants of Concern:	CWA, ABPs
Media of Concern	Soil and Groundwater
RRSE Rating:	2A
Completed IRP Phase to Date:	Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response:	Finally remedy selection will follow completion of the Phase II RFI
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X-RAY PROCESSOR, HEALTH CLINIC, ENGLISH VILLAGE (DPG-198):

Response complete October 1997; active site not DERA eligible.

No Photo provided.

OLD OB/OD, EAST OF DPG-017, TOWER GRID (DPG-199):

100-acre site OB/OD area located in the Tower Grid area, active 1950's to 1970's. The site consists of a large area of disturbed ground, at least 20 OB/OD pits, debris piles, miscellaneous fragmentation, stacks of scrap munitions, and an open trench (70 ft by 20 ft by 8 ft deep). The site was added to the RFI after the RFA; no historical information regarding the site was available during the Phase I investigation. IRAs ranging from 1996 to 1998 consisted of site control (i.e., warning signs) and waste removal. Because of the lack of information and the high explosive risk, very few samples were obtained during Phase I activities. A Phase II RFI, including extensive composite sampling and site mapping, is underway.

No Photo provided.

Site Type:	Surface Disposal Area / OB/OD
Legal Driver:	Corrective Action
Contaminants of Concern:	Explosives
Media of Concern	Soil, Surface Water
RRSE Rating:	1A
Completed IRP Phase to Date:	IRAs, Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

This site was included in the ITR program. The ITR recommended mapping the relative densities of high explosive nuggets, shrapnel fragments, and other contamination to evaluate the acute hazards at the site. Dugway agrees with this recommendation and had plans in-place to implement this characterization prior to the ITR recommendation.

The ITR also stated that Dugway should resolve with regulators the best way to determine chronic risks at the site, but provided no recommendation. Dugway responded with an explanation of how the analytical data being collected will be used to assess chronic risks.

LANDFILL, SE OF CARR (DPG-200):

0.7-acre site of a landfill located in the Carr area, active dates unknown. The site consists of two backfilled trenches (each approximately 100 ft by 20 ft), two soil mounds, and four metal drums. Munitions and drums were visible in the trenches during Phase I activities. No information regarding past uses of the site was available during the Phase I investigation. A Phase II RFI is underway.

No Photo provided.

Site Type: Landfill
Legal Driver: Corrective Action
Contaminants of Concern: Unknown
Media of Concern: Unknown
RRSE Rating: 1A
Completed IRP Phase to Date: Phase I RFI
Current IRP Phase: Phase II RFI
Future IRP Phase: CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

CAVE, CAMELS BACK RIDGE (DPG-201):

1-acre site of a cave located in the Tower Grid area, active during 1945. The site consists of a two-chambered cave connected by a man-made tunnel. The cave was reportedly used to study the effects of chemical weapon systems on tunnel fortifications. Numerous chemical weapons were tested at the site; munitions fragments, smoke canisters, wiring, scrap wood, and other debris is scattered across the site. Explosives, agent breakdown products, and metals were detected in shallow soil samples collected during Phase I activities; a Phase II RFI is currently underway. Extensive varmint droppings are present in the cave. A concern over hanta virus in the environmental samples has delayed analysis. In addition, a low level detection of mustard was detected during the Phase II RFI investigation.

No Photo provided.

Site Type: Surface Disposal Area/Unexploded Munitions
Legal Driver: Corrective Action
Contaminants of Concern: Hanta virus, Explosives, ABPs, metals, and Mustard
Media of Concern: Soil
RRSE Rating: 2A
Completed IRP Phase to Date: Phase I RFI
Current IRP Phase: Phase II RFI
Future IRP Phase: CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

WASTE PILE AT GPI-3, ALL PURPOSE GRID (COMBINED WITH DPG-114) (DPG-202):	
Response complete in September 1998.	No Photo provided.
LANDFILL, NORTH OF ALL PURPOSE GRID (DPG-203):	
Site where wood debris and one 8" artillery binary round were found on the surface. The depression was used as an observation crater and never used as a landfill. USCHPPM has sampled the soil and found no contamination present. The round has been removed. Recommended for no further action under the IRP. Response complete 1999.	No Photo provided.

LEWISITE AREA, SIMPSON BUTTES (DPG-204):

DPG-204 Lewisite demolition area is located on the southwest corner of Simpson Buttes. DPG-204 was a demilitarization area for 105 mm, 155 mm and 4.2 inch mortar chemical rounds. The area was reportedly active in the late 1940s. The demilitarized rounds were all reported to have contained Lewisite (L). A pile of rusted chlorinated lime bleach cans is located at this site. IRAs consisted of the overpacking and removal of 16 suspect L liquid-filled dud rounds in 1994 and fencing and warning signs placed in 1996. The rounds were transported to Igloo G in Carr for storage. A Phase II RFI is underway.

No Photo provided.

Site Type:	Explosive Ordnance Disposal Area
Legal Driver:	Corrective Action
Location	Simpson Butte
Dates of Operation	Late 1940s
General Size of Dimensions	0.2-Acres
Contaminants of Concern:	Chemical Agent, Lewisite (L), HD
Media of Concern	Soil
RRSE Rating:	Not Evaluated
Completed IRP Phase to Date:	IRA, Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

GRASSY PLOTS GRID, EAST OF BAKER (DPG-205):

DPG-205, Grassy Plots Grid, is located approximately 0.6 miles northeast of Burns Road and approximately three miles west of the Baker Facility. The area is a surface disposal site for leftover test material; part of the Grassy Plots Test Grid used during the 1960s. Debris at the site consists of a drum overpack, two steel 55-gallon drums, one steel 35-gallon drum, a pile of scrap wood, two 1-gallon glass jugs, and a stack of partially burned bags of fertilizer. All surface material has been removed and properly disposed. A Source Removal Investigation and Voluntary Interim Measures Work Plan is in place to remove a small area of stained soil and complete the site characterization.

No Photo provided.

Site Type:	Surface Disposal
Legal Driver:	Corrective Action
Location	East of Baker Facility
Dates of Operation	1960s
General Size of Dimensions	2-Acres
Contaminants of Concern:	MCPA (Herbicide), Pesticide
Media of Concern	Soil
RRSE Rating:	2A
Completed IRP Phase to Date:	Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

SURFACE DISPOSAL AREA, NW OF MICHAEL ARMY AIRFIELD (DPG-206):

DPG-206 is a surface disposal site located off a dirt road approximately 0.7 miles northwest of Michael Army Airfield. The site consists of a low relief bermed area of debris, scattered surface debris and 18 double stacked M468 bomb shipping dispensers. The bermed area dimensions are approximately 1,000 sq ft. Within this area is a debris pile consisting of aircraft fuselage, 20-gallon drums, rubber hoses, a glass jug, springs, ash residues, rusting zippers, D-rings, small arm blank ammunitions, scattered wood and glass debris. A Source Removal Investigation and Voluntary Interim Measures Work Plan is in place to remove the remaining debris complete the site characterization.

No Photo provided.

Site Type:	Surface Disposal
Legal Driver:	Corrective Action
Location	NW of Michael Army Airfield
Dates of Operation	1960s
General Size of Dimensions	1,000 Sq. Ft.
Contaminants of Concern:	Arsenic, Metals
Media of Concern	Soil
RRSE Rating:	2A
Completed IRP Phase to Date:	Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

DISPOSAL TRENCHES AND MOUNDS, CARR (DPG-207):

DPG-207 is a landfill containing numerous burial trenches and mounds of suspected UXO and possibly chemical agents (P999/F999 waste). Location is between Carr Facility (Bldg. 3445) and the evaporation pond (DPG-058). The site covers approximately 1 to 2-acres and is covered with surface debris consisting of scrap metal, ordnance fragments, half buried ordnance, glass and wood. The dates of disposal at this site are unknown; however, ground scaring can be observed on aerial photographs dating back as early as 1950. A Phase II RFI is underway.

No Photo provided.

Site Type:	Landfill
Legal Driver:	Corrective Action
Location	Carr Facility
Dates of Operation	1950 to 1960s
General Size of Dimensions	1 to 2-Acres
Contaminants of Concern:	Chemical Agency (VX), UXO, VOCs
Media of Concern	Soil, Groundwater
RRSE Rating:	1A
Completed IRP Phase to Date:	Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

DRUM BURIAL SITE, SE OF CARR (DPG-208):

DPG-208 is a 2-acre chemical disposal site located approximately 2.5 miles from the Carr Facility along the old Lincoln Highway, at the eastern end of Test Area 19. Four drums are visible in the trench. PINS analysis are determined one of the drums is empty and three contain liquid. The drainage ditch was surveyed for buried ferrous metal using a metal detector. Magnetic anomalies were identified along the drainage for a distance of about 500 feet. The history of the site is uncertain. However, information from a former DPG employee suggests that this site is similar to the location of where 15 drums of mustard agent/line mixtures were buried in the late 1940s. A Phase II RFI is underway. A plan is being developed for TEU to sample the drums for CWA and RCRA characterization in advance of removal.

No Photo provided.

Site Type:	Chemical Disposal Site
Legal Driver:	Corrective Action
Location	Carr Facility
Dates of Operation	1940s
General Size of Dimensions	2-Acres
Contaminants of Concern:	Chemical Agent (Mustard)
Media of Concern	Soil
RRSE Rating:	1A
Completed IRP Phase to Date:	Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

BIOLOGICAL TEST PLOTS, BAKER (DPG-209):

DPG-209, the Biological Test Plots are located in the Baker area, north of Burns Road approximately 1.1 miles off of Romeo Road. The site of contaminated soil piles is believed to have been active from 1952 to the 1960s, although the types of materials used at the site are unknown. The site is relatively flat with sagebrush with sand dunes to the north. The approximate size of the area appears to be several acres; however there are no site delineating features. A Phase II RFI is recommended.

No Photo provided.

Site Type:	Biological Warfare / Contaminated Soil Piles
Legal Driver:	Corrective Action
Location	Baker Facility
Dates of Operation	1950s to 1960s
General Size of Dimensions	Approximately 10-Acres
Contaminants of Concern:	Possible Biological Warfare Agents
Media of Concern	Soil
RRSE Rating:	Not Evaluated
Completed IRP Phase to Date:	Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response: Completion of Phase II RFI will be performed when biological agents can more clearly be assessed.

GLASS DISPOSAL SITE, SOUTH OF BAKER (DPG-210):

DPG-210, a surface disposal area with broken glass scattered throughout the site, is located along a dirt road approximately one mile south of the Baker Facility. The site terrain is flat with low sand dunes scattered throughout the area. Broken and melted glassware is partially buried in a bermed area approximately 23 feet by 35 feet. Much of the glassware in the bermed area consists of cylindrical tubes that taper at both ends. The tubes appear to be some type of sampler, and it is not known if these were used at the Baker lab or in field tests. Northeast of the bermed area is a smaller surface pile of broken and melted glass, glass tubing, wire, and rusted nails. A Phase II RFI is recommended.

No Photo provided.

Site Type:	Surface Disposal Area / Biological Warfare
Legal Driver:	Corrective Action
Location	Baker Facility
Dates of Operation	1950s to 1960s
General Size of Dimensions	1-Acre
Contaminants of Concern:	Possible Biological Warfare Agents
Media of Concern	Soil
RRSE Rating:	Not Evaluated
Completed IRP Phase to Date:	Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response: Completion of Phase II RFI will be performed when biological agents can be better assessed.

CORAL PIT LANDFILL, NORTH OF CAMELS BACK RIDGE (DPG-211):

DPG-211, Coral Pit Landfill, is located on the north side of Camels Back Ridge. The site was originally used as a gravel/borrow pit. Three surface disposal piles are located near the center of the pit area. Debris in these piles consists of smoke and incendiary rounds, scrap metal, barbed wire, range clean-up debris, test tube holders, incendiary devices, magnesium debris, miscellaneous metal scrap, rubber tubing, and critical orifices used for samplers at Tower Grid. The three combined debris piles encompass an area of approximately 4,500 square feet. A Source Removal Investigation and Voluntary Interim Measures Work Plan is in place to remove the remaining debris and complete the site characterization.

No Photo provided.

Site Type:	Surface Disposal Area
Legal Driver:	Corrective Action
Location	Camels Back Ridge
Dates of Operation	1960s
General Size of Dimensions	1-Acre
Contaminants of Concern:	Arsenic, Metals
Media of Concern	Soil
RRSE Rating:	3A
Completed IRP Phase to Date:	Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

M55 ROCKET TEST SITE, SOUTH OF TOWER GRID (DPG-212):

DPG-212, the M55 Rocket Test Site, is located 0.85 miles from the junction of MacIntyre Road, southeast on a gravel road near Tower Grid. The explosive ordnance disposal site is located adjacent to the gravel road and is approximately 0.7-acres in size. The site consists of a semi-circular mound that is vegetated. Some debris consisting of M55 GB rocket parts are visible on the ground surface. Splintered wood is partially buried in the mound area. Reportedly, this site was active in the mid-1960s, and consisted of an earthen covered bunker filled with M55 rockets. The rockets were detonated to determine sympathetic detonations. Detonation remnants are reportedly buried in the mound area. An IRA to install site control measures (i.e., fence and warning signs) was completed at DPG-212 in 1999. A Phase II RFI is underway.

No Photo provided.

Site Type:	Landfill - Explosive Ordnance Disposal Area
Legal Driver:	Corrective Action
Location	South of Tower Grid
Dates of Operation	1960s
General Size of Dimensions	0.7-Acres
Contaminants of Concern:	Chemical Agent (GB, VX)
Media of Concern	Soil
RRSE Rating:	2A
Completed IRP Phase to Date:	IRA, Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

BURIAL TRENCH, TARGET S (DGP-213):

DPG-213 is a landfill approximately 0.2 miles northeast of November Road, west of Target S. The site consists of a low relief mound approximately 200 feet by 40 feet. Scattered metal debris, including M55 and Hedgehog rocket parts, are visible on the ground surface near the south end of the mounded area. The middle one-third of the mound has subsided. A Phase II RFI is underway.

No Photo provided.

Site Type:	Landfill
Legal Driver:	Corrective Action
Location	Target S
Dates of Operation	1950s to 1970s
General Size of Dimensions	2-Acres
Contaminants of Concern:	Chemical Agent (GB, VX)
Media of Concern	Soil, Possibly Groundwater
RRSE Rating:	2A
Completed IRP Phase to Date:	Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

DECONTAMINATION PAD, TARGET S (DPG-214):

DPG-214 is a decontamination pad wash rack located on an unnamed gravel road approximately 0.9 miles southwest of Stark Road on the east side of Target S. The unmarked road is between November and Lima Roads. The site consists of a raised gravel layer 75 ft by 50 ft wide and sloped at both ends. The decontamination site was used during the 1950s for activities at Old Target S. Vehicles that were used to pick up samplers on the grid site were brought back to this pad and the undercarriages were decontaminated. Personnel wearing protective clothing were also decontaminated at this site. A Phase II RFI is underway. A Source Removal Investigation and Voluntary Interim Measures Work Plan is in place to remove the remaining debris and complete the site characterization. Following debris removal and possible confirmation sampling, site closure options will be evaluated.

No Photo provided.

Site Type:	Wash Rack
Legal Driver:	Corrective Action
Location	Target S
Dates of Operation	1950s
General Size of Dimensions	1 to 2-Acres
Contaminants of Concern:	Arsenic, Metals
Media of Concern	Soil and Groundwater
RRSE Rating:	3A
Completed IRP Phase to Date:	Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	Site Closeout after removal and possible confirmation sampling

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI. Confirmation samples may be collected as part of the Phase II RFI to complete the characterization.

PIGEON LOFT TRENCHES, DOWNWIND GRID (DPG-215):

DPG-215 is a landfill that consists of two possibly separate backfilled trenches, and is located on Pigeon Loft Road by the remnants of the former pigeon loft. The pigeon loft was a metal building on a concrete foundation that housed pigeons used in test operations. An area of disturbed ground with no vegetation, approximately 150 ft by 40 ft, lies perpendicular to the foundation. A second trench is located approximately 275 ft north of the concrete slab, on the north side of the road. Two metal drum stands and a metal table are located at the surface at this site. Partially buried material such as metal piping and scrap metal are also visible at the surface. Numerous magnetic anomalies were detected using a metal detector. A Phase II RFI is underway.

No Photo provided.

Site Type:	Landfill
Legal Driver:	Corrective Action
Location	Downwind Grid
Dates of Operation	1960s
General Size of Dimensions	2-Acres
Contaminants of Concern:	Chemical Agent (VX)
Media of Concern	Soil
RRSE Rating:	2A
Completed IRP Phase to Date:	Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	CMS

Recommendation for future response: Final remedy selection will follow completion of the Phase II RFI.

TRASH PIT, NW OF GRANITE PEAK (DPG-216):

DPG-216, a trash pit, is located northwest of Granite Peak, north of Goodyear Road, and west of DPG-002. The landfill site consists of an oval pit that is approximately 33 ft by 24 ft. The pit contains a table, chair, tub/container, broken glass and metal debris. None of the debris appeared to contain hazardous constituents. A Phase II RFI is underway. A Source Removal Investigation and Voluntary Interim Measures Work Plan is in place to remove the remaining debris and complete the site characterization.

Following debris removal and possible conformation sampling, site closure will be evaluated.

No Photo provided.

Site Type:	Landfill
Legal Driver:	Corrective Action
Location	NW of Granite Peak
Dates of Operation	1960s
General Size of Dimensions	0.2-Acres
Contaminants of Concern:	Arsenic, Metals
Media of Concern	Soil and Groundwater
RRSE Rating:	3A
Completed IRP Phase to Date:	Phase I RFI
Current IRP Phase:	Phase II RFI
Future IRP Phase:	Site Closeout after removal and possible confirmation sampling.

Recommendation for future response:	Final remedy selection will follow completion of the Phase II RFI.
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4. IRP SUMMARY CHARTS

The following IRP Summary Charts (extracted from DSERTS) are included:

- Phase Summary Report
- Installation Action Plan Report

5. SCHEDULE

The schedule of IRP work completed to date and planned through completion of all restoration work for Dugway Proving Ground has been detailed.

A. PAST MILESTONES BY PHASE

<u>IRP Phase</u>	<u>Completion Date</u>
Initial Installation Assessment (IA)	Apr 79
Update of Initial IA	Jul 88
IR Program Plan	Nov 88
RCRA Facility Assessment	Mar 92
Nature & Extent Inv (Consent Order SWMUs)	May 95
Interim Removal Actions	Dec 98
Closure Plans (Consent Order SWMUs)	Sep 96
RFI (Corrective Action SWMUs) (Phase I)	Oct 96

B. PROJECTED MILESTONES BY PHASE

<u>IRP Phase</u>	<u>Completion Date</u>
RFI (Corrective Action SWMUs) (Phase II)	2002
Closure Execution - Consent Order HWMUs	2014
Corrective Measures Study (CMS) - Corrective Action SWMUs	2010
Corrective Measures Implementation (Corrective Action SWMUs)	2014
Long Term Monitoring (LTM)	2014
Projected completion date of IRP excluding LTM:	2020

C. PROJECTED COMPLETION DATE OF ALL RA: JUL 2016

D. PROJECTED COMPLETION DATE OF IRP: DEC 2062

6. REMOVAL/INTERIM REMEDIAL/REMEDIAL ACTION ASSESSMENT

A. SITES THAT HAVE BEEN ASSESSED

Previous investigations at DPG have identified 205 sites [also identified as Solid Waste Management Units (SWMUs)].

B. PAST REM/IRA/RA/LTM

See Table attached.

Site Number	(FY) Activity
DPG-002	FY88 Site Access Control Measures
DPG-007	FY88 Site Access Control Measures
DPG-009	FY88 Site Access Control Measures
DPG-014	FY88 Site Access Control Measures
DPG-038	FY88 Site Access Control Measures
DPG-033	FY88 Site Access Control Measures
DPG-036	FY88 Site Access Control Measures
DPG-040	FY88 Site Access Control Measures
DPG-051	FY88 Site Access Control Measures
DPG-058	FY88 Site Access Control Measures
DPG-063	FY88 Site Access Control Measures
DPG-158	FY90 Site Access Control Measures
DPG-017	FY91 Site Access Control Measures
DPG-034	FY92 Site Access Control Measures
DPG-039	FY92 Waste Removal
DPG-042	FY92 Site Access Control Measures
DPG-043	FY92 Site Access Control Measures
DPG-055	FY92 Site Access Control Measures
DPG-090	FY92 Site Access Control Measures
DPG-099	FY92 Site Access Control Measures
DPG-099	FY92 Waste Removal
DPG-160	FY92 Site Access Control Measures
DPG-161	FY92 Site Access Control Measures
DPG-162	FY92 Site Access Control Measures
DPG-163	FY92 Site Access Control Measures
DPG-164	FY92 Site Access Control Measures
DPG-165	FY92 Site Access Control Measures
DPG-166	FY92 Site Access Control Measures
DPG-167	FY92 Site Access Control Measures
DPG-168	FY92 Site Access Control Measures
DPG-169	FY92 Site Access Control Measures
DPG-170	FY92 Site Access Control Measures
DPG-174	FY92 Waste Removal
	FY92 REM 2,452.9K
DPG-001	FY93 Waste Removal

Site Number	(FY) Activity
DPG-013	FY93 Waste Removal
DPG-016	FY93 Waste Removal
DPG-017	FY93 Waste Removal
DPG-018	FY93 Waste Removal
DPG-019	FY93 Waste Removal
DPG-028	FY93 Waste Removal
DPG-040	FY93 Waste Removal
DPG-046	FY93 Site Access Control Measures
DPG-052	FY93 Waste Removal
DPG-056	FY93 Waste Removal
DPG-065	FY93 Waste Removal
DPG-101	FY93 Waste Removal
DPG-103	FY93 Waste Removal
DPG-104	FY93 Waste Removal
DPG-107	FY93 Waste Removal
DPG-113	FY93 Waste Removal
DPG-115	FY93 Waste Removal
DPG-117	FY93 Waste Removal
DPG-188	FY93 Waste Removal
DPG-190	FY93 Waste Removal
FY93 REM \$193.0K	
DPG-003	FY94 Waste Removal
DPG-004	FY94 Waste Removal
DPG-005	FY94 Waste Removal
DPG-006	FY94 Waste Removal
DPG-008	FY94 Waste Removal
DPG-010	FY94 Site Access Control Measures
DPG-011	FY94 Site Access Control Measures
DPG-012	FY94 Site Access Control Measures
DPG-015	FY94 Site Access Control Measures
DPG-022	FY94 Site Access Control Measures
DPG-023	FY94 Site Access Control Measures
DPG-025	FY94 Site Access Control Measures
DPG-029	FY94 Waste Removal
DPG-031	FY94 Site Access Control Measures
DPG-032	FY94 Site Access Control Measures
DPG-035	FY94 Site Access Control Measures
DPG-021	FY94 Site Access Control Measures
DPG-059	FY94 Site Access Control Measures
DPG-124	FY94 Site Access Control Measures
DPG-128	FY94 Site Access Control Measures
FY94 REM 1,534.0K	
DPG-014	FY95 Waste Removal
FY95 REM and LTM \$1,365.6K	

Site Number	(FY) Activity
DPG-037	FY96 Site Access Control Measures
DPG-048	FY96 Site Access Control Measures
DPG-122	FY96 Waste Removal
DPG-130	FY96 Waste Removal
DPG-174	FY96 Other
DPG-204	FY96 Site Access Control Measures
FY96 REM & LTM \$1,517.0K	
DPG-199	FY97 Site Access Control Measures
FY97 LTM & RD/RA \$4,647K	
DPG-059	FY98 Waste Removal
DPG-199	FY98 Waste Removal
DPG-212	FY98 Site Access Control Measures
FY98 LTM & RA \$2,579K	
DPG-034	FY99 Waste Removal
DPG-048	FY99 Pipeline Removal
DPG-099	FY99 Waste Removal
DPG-130	FY99 Pipeline Removal
DPG-162	FY99 Pipeline Removal
FY99 LTM & RA \$2,533K	
DPG-033	FY00 Waste Removal
DPG-036	FY00 Waste and Facility Removal
DPG-051	FY00 Waste Removal (N.O.V.)
DPG-058	FY00 Waste Removal (N.O.V.)
DPG-063	FY00 Waste Removal (N.O.V.)
DPG-128	FY00 Waste Removal (N.O.V.)
FY00 RA and REM \$9,466.2K	
	DPG-007 FY01 Waste Removal
	DPG-048 FY01 Waste Removal
	DPG-063 FY01 Waste Removal
FY01 RA and REM \$1,954.9K	

C. CURRENT REM/IRA/RA/LTM

See Attached File: Risk Installation Action Plan Report

D. FUTURE REM/IRA/RA/LTM OPPORTUNITIES

See Attached Files: Risk Installation Action Plan Report, IRP Obligation Planning Worksheet, and Installation CTC Report. Please note that DSERTS derived spreadsheets may not be updated to reflect REM/IRA/RA actions currently under consideration.

E. INNOVATIVE MEANS TO EXPEDITE PROCESS TO RA PHASE

Several sites identified as RRSE medium and low priority will receive a removal action during the Phase II RFI to allow for media characterization and accelerate site close out. These actions are currently being negotiated. The removals are intended to be coupled with sampling of the underlying media and serve as FRAs. These sites will not go into CMS. These sites are identified in Summary Item 9.

7. APPROVAL AND CONCURRENCE

The IAP will be presented to Utah Department of Environmental Quality, Division of Solid and Hazardous Waste upon approval.

Dugway also intends to make the IAP available to the RAB. Future funding projections have been withheld from versions of this document being made available for public distribution.

COORDINATION AND REVIEW SHEET:

SCOTT H. REED
Restoration Program Manager
U.S. Army Dugway Proving Ground

Date

JACK C. SKEEN
Legal Advisor
U.S. Army Dugway Proving Ground

Date

JOSEPH R. GEARO, JR.
Director, Environmental Programs
U.S. Army Dugway Proving Ground

Date

NANCY F. KOSKO
Environmental Restoration Program Manager
U.S. Army Developmental Test Command

Date

Forwarded:

SCOTT H. REED
Restoration Program Manager
U.S. Army Dugway Proving Ground

Date

Approval:

EDWARD A. FISHER
COL, AD
Commanding
U.S. Army Dugway Proving Ground

Date

Concurrence:

MICHAEL VOGT
Team Leader - Environmental
Office of the Deputy Chief of Staff of Installations,
Logistics and Environment
U.S. Army Test and Evaluation Command

Date

ATTACHMENT 1. COST

An estimate of past, present, and projected funding broken down by fiscal year and phase, is listed below:

A. PRIOR YEAR FUNDS

FY78/85	Preliminary Assessment	\$64.0K
FY89	Site Inspection	\$2,249.0K
	Installation Support	<u>80.0K</u>
		2,329.0K
FY90	Installation Support	\$197.0K
FY91	Nature & Extent Investigation	\$5,203.0K
	Corrective Action Support	100.0K
	Installation Support	<u>237.0K</u>
		5,540.0K
FY92	Nature & Extent Investigation	\$1,758.8K
	RCRA Facility Investigation	4,668.0K
	Removal Actions	2,452.9K
	Installation Support	<u>455.9K</u>
		9,335.6K
FY93	Nature & Extent Investigation	\$4,930.5K
	Removal Actions	193.0K
	Installation Support	<u>552.0K</u>
		5,675.5K
FY94	RCRA Facility Investigation	\$2,469.5K
	Nature & Extent Investigation	4,933.6K
	Removal Actions	1,534.0K
	Installation Support	1,062.0K
	Monitoring Support	<u>201.5K</u>
		10,200.6K
FY95	Closure Plans Investigation	\$161.6K
	REM	388.5K
	Installation Support	1,034.6K
	LTM	<u>977.1K</u>
		\$2,561.8K
FY96	Closure Plans Investigation	\$631.0K
	RFI	1,010.0K
	REM	1,017.0K
	Installation Support	200.0K
	LTM	<u>500.0K</u>
		\$3,358.0K
FY97	Closure Plans Investigation	504.0K
	RFI	1,119.0K

Dugway Proving Ground IAP

	Installation Support	700.0K
	LTM	600.0K
	RD/RA	4,047.0K
	RAB/TRC Support	50.0K
	COE S&A	<u>50.0K</u>
		\$7,070.0K
FY98	RFI	\$3,890.5K
	LTM	1,000.0K
	RD	5,770.5K
	RA	1,579.0K
	RAB/TRC Support	5.0K
	IRA	<u>325.0K</u>
		\$12,570.0K
FY99	LTM	\$1,044.4K
	RFI	8,795.2K
	RA	1,489.8K
	RD	795.0K
	IRA	345.0K
	RAB/TRC Support	35.0K
	Program Management	<u>78.0K</u>
		\$12,582.4K
FY00	LTM	\$1,190.5K
	RFI	1,660.0K
	RA	8,267.5K
	RD	2,012.0K
	IRA	120.0K
	RAB/TRC Support	35.0K
	Program Management	<u>82.0K</u>
		\$13,367.0K
FY 2001	LTM	0
	RFI	3,877K
	RD	3,214K
	RA	4,609K
	IRA	537K
	RAB/TRC Support	6.0K
	Program Management	<u>120.0K</u>
		12,363K
Total Prior Year IRP Funds		\$97,214K

B. CURRENT YEAR FUNDS:

FY 2002	RFI	1,125K
	RD	3,192K
	RA	4,272K
	LTM	11K
	RAB/TRC Support	38K
	Program Management	<u>135K</u>
		8,773K

C. FUNDS REQUIRED BY FISCAL YEAR TO COMPLETION

See attached DSERTS Installation CTC Report indicating future year requirements to completion.

D. TOTAL FUTURE REQUIREMENTS

E. TOTAL FUNDING FROM INCEPTION TO COMPLETION

ATTACHMENT 2. COMMUNITY INVOLVEMENT

Status of Community Involvement

Dugway established a Restoration Advisory Board (RAB) in FY00. RAB members are from the following communities: English Village (DPG), Skull Valley, Grantsville, Rush Valley, Stansbury, Tooele, and Vernon. In addition, representatives from local government, U.S. Environmental Protection Agency, DSHW, and Dugway sit on the RAB.

The RAB established a charter and working groups during 2000. RAB meetings are being held on a quarterly basis, in conjunction with Technical Review Committee meetings. Information repositories have been established at the University of Utah and the Tooele Chemical Weapons Outreach Center. RAB members are being provided program status updates through slide shows and handouts.

Dugway requested TAPP funds for FY 2001. The RAB did not submit a project request to access TAPP funding.

ATTACHMENT 3. INFORMATION SHARING SECTION

ATEC, as well as DTC and Dugway, believe that it should make its environmental restoration information available openly. As such, U.S. Army Dugway Proving Ground is sharing this Installation Action Plan, the current year obligation plan, and the out-year planned funding that is listed in the Fiscal Year 2001 Programmed Cost-to-Complete.

The above information was shared at a meeting with the following person:

Name	Organization	Signature	Date
<u>Mr. Dave Larsen</u>	<u>UDEQ-DSHW</u>	_____	_____

This Installation Action Plan, the current's year obligation plan, and the out-year planned funding that is listed in the Fiscal Year 2001 Programmed Cost-to-Complete was forwarded to the following person:

Name	Organization	Signature	Date
<u>Mr. Chris Prescott</u>	<u>USACE</u>	_____	_____

Dugway also intends to make the IAP available to the RAB. Future funding projections have been withheld from versions of this document being made available for public distribution.

DUGWAY PROVING GROUND
Phase Summary Report

Program: IRP
Subprograms: Compliance, Restoration, UXO
Installation count for Programs: 1
NPL Options: Delisted, No, Proposed, Yes
Installations count for Programs and NPL: 1
Site count for Programs and NPL: 205

Phase / Status / Sites							
PA				SI			
C	U	F	RC	C	U	F	RC
205	0	0	25	180	0	0	16
RI / FS				RD			
C	U	F	RC	C	U	F	RC
60	104	0	49	4	14	79	
RA(C)				RA(O)			
C	U	F	RC	C	U	F	RC
0	4	93	0	0	0	1	0
LTM							
C	U	F	N				
0	0	51	145				
Remedy / Status / Sites (Actions)							
IRA							
C	U	F					
79 (88)			2 (2)			6 (6)	
FRA							
C	U	F					
2 (2)			2 (2)			93 (123)	
RIP Total:		0					
RC Total:		90					

DEFENSE SITE ENVIRONMENTAL RESTORATION TRACKING SYSTEM

Site, 7. SITE SUMMARY

Installation: DUGWAY PROVING GROUND

FFID: UT214120283

Program Options: IRP, BRAC I, BRAC II, BRAC III, BRAC IV

Subprogram Options: Compliance, Restoration, UXO

Major Command: ATEC

Subcommand: DTC

Site	Description	Site Type	RRSE	PA	Phase Status							LTM	IRA	IRA	RIP	RC	
					SI	RI	RD	RA(C)	RA(O)	Complete							Underway
DPG-001	SCRAP CONSTRUCTION MAT FILL FROM V-GRID	Landfill	2A	C	C	C						1	0		200009		
DPG-002	SCRAP CONSTRUCTION FILL, N GRANITE PEAK	Landfill	1A	C	C	C	C	U			F	1	0		200209		
DPG-003	VEHICLE DECON PAD(AND BLDG T-9410)	Drainage Ditch	1A	C	C	U	F	F			F	1	0		200506		
DPG-004	OLD BAKER LAB @ NORTH GRANITE PEAK	Other	1A	C	C	U	F	F	N		N	1	0		200909		
DPG-005	CONTAMINATED MAT BURIAL SITE (V-GRID)	Landfill	1A	C	C	C						1	0		200008		
DPG-006	SURFACE STORE AREA VIC 10 MILE TOWER	Surface Disposal Area	2A	C	C	U	F	F	N		N	1	0		200812		
DPG-007	BRINE VATS, WEST OF GRANITE PEAK	Above Ground Storage Tank	1A	C	C	C	C	U	N		N	1	0		200209		
DPG-008	BURIAL SITE WEST GRANITE PEAK	Landfill	1A	C	C	U	F	F	N		N	1	0		200410		
DPG-009	STORAGE SITE 3X SCRAP MATERIAL	Storage Area	1A	C	C	C	U	F			F	1	1		200309		
DPG-010	LOW LEVEL RAD LANDFILL, WEST OF GRANITE	Radioactive Waste Area	3A	C	C	U	F	F	N		N	1	0		200909		
DPG-011	LOW LEVEL RAD LANDFILL, E GRANITE PEAK	Radioactive Waste Area	3A	C	C	U	F	F	N		F	1	0		200909		
DPG-012	LOW LEVEL RAD LANDFILL, SE GRANITE PEAK	Radioactive Waste Area	3A	C	C	C			N		N	1	0		199909		
DPG-013	DECON PAD, JCT DOWNWIND W & LIMA ROADS	Surface Runoff	3A	C	C	C			N		N	1	0		200109		
DPG-014	DISPOSAL SITES, JCT DOWNWIND & JULIET RD	Landfill	1A	C	C	C	U	F			F	2	0		200309		
DPG-015	RISING SUN TEST AREA, LANDFILL	Landfill	NE	C	C	U	F	F				1	0		201009		
DPG-016	DECON PAD, JCT EAST DOWNWIND & HWY 102	Washrack	1A	C	C	U	F	F				1	0		200310		
DPG-017	AGENT DISPOSAL SITE @ S TOWER GRID	Landfill	1A	C	C	U	F	F			F	2	0		200610		
DPG-018	DISPOSAL SITE @ SE TOWER GRID	Surface Disposal Area	2A	C	C	U	F	F	N			1	0		200409		
DPG-019	DISPOSAL SITE @ NE TOWER GRID	Landfill	3A	C	C	U	F	F	N		N	1	0		200909		
DPG-020	LANDFILL NORTH OF CAMELBACK RIDGE	Landfill	3A	C	C	C					N	0	0		199809		
DPG-021	DISPOSAL SITE @ N CAMELBACK RIDGE	Landfill	1A	C	C	U	F	F			F	1	0		200506		
DPG-022	IGLOO SITE (SW TOWER GRID)	Surface Impoundment/Lagoon	3A	C	C	C					N	1	0		199909		
DPG-023	WASTE BURIAL SITE (DOWNWIND GRID)	Landfill	3A	C	C	U	F	F	N		N	1	0		200909		
DPG-025	DISPOSAL AREA JCT LIMA & STARKS ROADS	Landfill	3A	C	C	U	F	F	N		N	1	0		200909		
DPG-027	PCB/POL STORAGE SITE(BLDGS 9450/9452)	Storage Area	NE	C	C				N		N	0	0		199405		
DPG-028	SURFACE WASTE DISPOSAL SITE (H GRID)	Surface Disposal Area	2A	C	C	C						1	0		199909		
DPG-029	SURFACE WASTE SITE BTWN S WIG MTN & HGRD	Storage Area	NE	C	C	C			N		N	1	0		199803		
DPG-030	FUEL TANK SITE @ WIG MOUNTAIN	Surface Disposal Area	3A	C							N	0	0		199505		
DPG-031	WASTE BURIAL SITE (NORTH WIG MOUNTAIN)	Landfill	3A	C	C	U	F	F	N		N	1	0		200912		
DPG-032	DUMP SITE SW OF BAKER LABORATORY	Landfill	1A	C	C	U	F	F			F	1	0		200609		
DPG-033	OLD SEWAGE LAGOON, NORTH OF BAKER LAB	Surface Impoundment/Lagoon	1A	C	C	C	C	U	N		F	1	0		200209		
DPG-034	BOILER BLOWDOWN POND BAKER AREA	Surface Impoundment/Lagoon	1A	C	C	C	C	U	N		N	1	0		200209		
DPG-035	DRAINFIELD, NORTH OF BAKER LABORATORY	Leach Field	1A	C	C	U	F	F	N		F	1	0		200609		
DPG-036	IMHOFF TK/DRAINFIELD AT DITTO TECH CTR	Sewage Treatment Plant	1A	C	C	C	C	U			F	1	0		200209		

Site	Description	Site Type	RRSE	PA	SI	RI	RD	RA(C)	RA(O)	LTM	IRA		RIP	RC
											Complete Underway			
DPG-037	LANDFILL, WEST OF DITTO TEC CENTER	Landfill	1A	C	C	C	C	U		F	1	0		200306
DPG-038	DECON PAD, SOUTH OF DITTO TECH CENTER	Spill Site Area	1A	C	C	U	U	F	N	F	1	0		200310
DPG-039	LANDFILL NORTH OF AVERY	Landfill	1A	C	C	C	U	F		F	1	0		200309
DPG-040	FENCED STORAGE AREA @ AVERY FACILITY	Storage Area	1A	C	C	U	F	F	N	N	2	0		200309
DPG-041	EVAPORATING POND @ AVERY FACILITY	Surface Impoundment/Lagoon	1A	C	C	U	F	F		F	0	0		200503
DPG-042	CONTRACTOR LANDFILL NEAR ENGLISH VILLAGE	Landfill	1A	C	C	C	U	F		F	1	0		200303
DPG-043	OLD LANDFILL FOR ENGLISH VILLAGE	Landfill	1A	C	C	C	U	U		F	1	0		200409
DPG-044	OLD STP FOR ENGLISH VILLAGE	Waste Treatment Plant	1A	C	C	U	F	F			0	0		200503
DPG-045	SUMP @ FAC ENGR AREA @ ENGLISH VILLAGE	Disposal Pit/Dry Well	NE	C	C				N	N	0	0		199709
DPG-046	SHOP SUMP @ MAINT AREA @ ENGLISH VILLAGE	Disposal Pit/Dry Well	2A	C	C	U	F	F	N	N	1	0		200309
DPG-047	SEWAGE LAGOONS, SOUTH OF FRIES PARK	Surface Impoundment/Lagoon	1A	C	C	C	U	U		F	0	0		200304
DPG-048	3X STORAGE AREA @ FRIES PARK	Storage Area	1A	C	C	C	C	U		N	1	0		200209
DPG-049	PCB STORAGE HUT (FRIES PARK)	Storage Area	NE	C					N	N	0	0		199406
DPG-050	DISPOSAL AREA, NE CAMELBACK RIDGE	Landfill	NE	C	C	C			N	N	0	0		199809
DPG-051	EVAPORATION POND NEAR DTC	Surface Impoundment/Lagoon	2A	C	C	C	U	U		F	2	0		200309
DPG-052	WASTE BURIAL SITES (EAST SE OF CARR)	Landfill	1A	C	C	U	F	F		F	1	0		200706
DPG-053	WASTE BURIAL SITES DURRAND ROAD	Landfill	NE	C	C	C			N	N	0	0		199803
DPG-054	DISPOSAL AREA(S), EAST OF CARR FACILITY	Landfill	1A	C	C	U	F	F		F	0	0		200709
DPG-055	3X DISPOSAL SITE, E OF CARR FACILITY	Landfill	1A	C	C	C	U	U		F	1	1		200501
DPG-056	STORAGE SITE, E OF CARR FACILITY	Landfill	2A	C	C	U	F	F		F	1	0		201109
DPG-058	EVAPORATION POND @ CARR FACILITY	Surface Impoundment/Lagoon	1A	C	C	C	C	U		F	2	0		200303
DPG-059	PAD 7/3X STORAGE AREA @ CARR FAC	Contaminated Soil Piles	1A	C	C	C	C	U	N		2	0		200209
DPG-060	CHEMICAL STORAGE AREA@ CARR FACILITY	Storage Area	1A	C	C	U	F	F	N	F	0	0		200701
DPG-061	CONTAMINATED SOIL @NEW CARR FACILITY	Contaminated Fill	2A	C	C	U	F	F	N		0	0		200906
DPG-062	AMMO IGLOOS @ CARR FACILITY	Storage Area	NE	C	C	C			N	N	0	0		199803
DPG-063	SEPTIC TANK/DRAINFIELD @ CARR FACILITY	Leach Field	1A	C	C	U	U	F	N	F	2	0		200211
DPG-064	WASTE BURIAL SITE (SE TOWER GRID)	Landfill	2A	C	C	C			N	N	0	0		199909
DPG-065	LANDFILL (WHITE SAGE FLATS)	Landfill	NE	C	C	U	F	F		N	1	0		201109
DPG-066	DISPOSAL AREA NEAR HILL 5700	Landfill	3A	C	C	C			N	N	0	0		199909
DPG-067	LANDFILL (NORTH CEDAR MOUNTAIN)	Landfill	NE	C					N	N	0	0		199111
DPG-069	POL AST AREA @ ENGLISH VILLAGE	Above Ground Storage Tank	1A	C					N	N	0	0		199111
DPG-070	DISTURBED AREA (ANIMAL WASTE DUMP)(EV)	Landfill	2A	C	C	C					0	0		200109
DPG-071	SKEET RANGE(EPIC-2A)	Other	NE	C					N	N	0	0		199111
DPG-072	SAND/GRAVEL PIT(S)(EPIC-2C)	Disposal Pit/Dry Well	NE	C						N	0	0		199111
DPG-073	HORSE STABLE AREA(EPIC-3A)	Other	NE	C						N	0	0		199111
DPG-074	TRENCH, CONTENTS UNK(EPIC-3B)	Landfill	NE	C						N	0	0		199111
DPG-075	OLD FRIES PARK SEWAGE LAGOON(EPIC-3D)	Surface Impoundment/Lagoon	2A	C	C	U	F	F		F	0	0		200909
DPG-076	STAINED/DISTURBED GROUND(EPIC-3F)	Other	NE	C						N	0	0		199111
DPG-077	EX-ASPHALT PILE LITTLE GRANITE MTN	Surface Disposal Area	3A	C	C	U	F	F	N	N	0	0		200909
DPG-078	GROUND SCARS(EPIC-4C)	Disposal Pit/Dry Well	NE	C	C					N	0	0		199307
DPG-079	WASTE PILE (SW OF LITTLE GRANITE MTN)	Landfill	1A	C	C	U	F	F		F	0	0		200609
DPG-081	FORMER MUNITIONS STORAGE IGLOO(1942-80)	Storage Area	3A	C	C	C			N	N	0	0		199909
DPG-082	WASTE PILE (E OF MICHAEL AAF)(EPIC-7A)	Surface Disposal Area	NE	C	C	C			N	N	0	0		199803
DPG-083	GROUND STAINS(EPIC-8A)	Disposal Pit/Dry Well	NE	C						N	0	0		199111

DEFENSE SITE ENVIRONMENTAL RESTORATION TRACKING SYSTEM

Site, 4. Installation Phase Summary Report

1/24/02

Installation: DUGWAY PROVING GROUND

Programs:

BRAC I, BRAC II, BRAC III, BRAC IV, IRP

Subprograms:

Compliance, Restoration, UXO

Installation count for Programs:

1

NPL Options:

Delisted, No, Proposed, Yes

Installations count for Programs and NPL:

1

Site count for Programs and NPL:

205

Phase / Status / Sites

PA				SI			
C	U	F	RC	C	U	F	RC
205	0	0	25	180	0	0	16
RI / FS				RD			
C	U	F	RC	C	U	F	
82	82	0	61	13	12	69	
RA(C)				RA(O)			
C	U	F	RC	C	U	F	RC
0	17	77	0	0	0	0	0
LTM							
C	U	F	N				
0	0	44	144				

Remedy / Status / Sites (Actions)

IRA			
C	U	F	
79 (93)	3 (3)	1 (1)	
FRA			
C	U	F	
1 (1)	16 (21)	78 (100)	

RIP Total:

0

RC Total:

102

Reporting Period End Date: 09/30/2001

Site	Description	Site Type	RRSE	PA	SI	RI	RD	RA(C)	RA(O)	LTM	IRA		RIP	RC
											Complete Underway			
DPG-084	FILL MATERIAL TRENCHES(EPIC-8B)	Contaminated Fill	NE	C						N	0	0		199111
DPG-085	DUNE FIELD BORROW AREA(EPIC-8C)	Disposal Pit/Dry Well	NE	C						N	0	0		199111
DPG-086	FORMER COAL PILES @ DITTO FAC(EPIC-9A)	Surface Disposal Area	NE	C						N	0	0		199111
DPG-088	BORROW PIT LOCATIONS(EPIC-9C)	Disposal Pit/Dry Well	NE	C	C					N	0	0		199307
DPG-090	BURNING AREA, EAST OF CARR FAC(EPIC-10E)	Burn Area	1A	C	C	C	C	U		F	1	0		200309
DPG-091	ASPHALT PILE SO OF BAKER	Surface Disposal Area	NE	C	C	C				N	0	0		200009
DPG-092	LANDFILL (NO EAST OF BAKER)	Landfill	3A	C	C	C					0	0		200109
DPG-093	EXCAVATION/TRENCHES(EPIC-12A)	Landfill	2A	C	C	C				N	0	0		200109
DPG-094	BORROW PIT SOUTH OF BAKER(EPIC-12B)	Disposal Pit/Dry Well	NE	C						N	0	0		199111
DPG-095	BORROW PIT SE OF GRANITE PEAK(EPIC-13 B)	Disposal Pit/Dry Well	NE	C						N	0	0		199111
DPG-096	CONCRETE DEBRIS,SO. OF MICHAEL AAF	Surface Disposal Area	2A	C	C	C				N	0	0		200109
DPG-097	DRAINFIELD & DECONTAMINATION PAD (AVERY)	Leach Field	1A	C	C	U	F	F		F	0	0		200709
DPG-098	PIPELINE EXCAV VIC OLD IGLOOS @ CARR FAC	Spill Site Area	1A	C	C	U	F	F	N	F	0	0		200707
DPG-099	3X DISPOSAL AREA VIC E CAMELBACK MT	Landfill	3A	C	C	U			N	N	3	0		200212
DPG-100	DITTO AREA WATER AQUIFIERS	Contaminated Ground Water	NE	C						N	0	0		199111
DPG-101	WASTE DISPOSAL SITE(EAST OF WIG GRID)	Surface Disposal Area	2A	C	C	C					1	0		199909
DPG-102	NEW SANITARY LANDFILL,WEST OF FRIES PARK	Landfill	NE	C						N	0	0		199111
DPG-103	DECON PAD @ BLDG 941 I, WEST GRANITE MTN	Surface Runoff	3A	C	C	C				N	1	0		199909
DPG-104	DECON PAD, JCT TANGO/BURNS/VICTORY	Surface Runoff	2A	C	C	C				N	1	0		199909
DPG-107	DECONTAMINATION PAD (TOWER GRID)	Surface Runoff	2A	C	C	C				N	1	0		199909
DPG-108	BE & C14 WASTE DISPOSAL AREA(EPIC 3-2)	Radioactive Waste Area	NE	C	C	C				N	0	0		199803
DPG-109	BE & C14 WASTE DISPOSAL AREA (EPIC 3-2)	Radioactive Waste Area	NE	C	C	C				N	0	0		199803
DPG-110	BE & C14 WASTE DISPOSAL AREA (EPIC 3-2)	Radioactive Waste Area	3A	C	C	C				N	0	0		199909
DPG-111	BE & C14 WASTE DISPOSAL AREA(EPIC 3-2)	Radioactive Waste Area	3A	C	C	C				N	0	0		199909
DPG-113	LANDFILL POLE LINE ROAD	Landfill	3A	C	C	U	F	F		N	1	0		201109
DPG-114	OLD GPI-3 TEST SITE (NW V-GRID)	Contaminated Buildings	3A	C	C	U	F	F	N	N	0	0		201109
DPG-115	LANDFILL, X-RAY RD 1MI S OF BLDG T9490	Landfill	3A	C	C	U	F	F		F	1	0		201009
DPG-116	LANDFILL NYE ROAD	Landfill	2A	C	C	U	F	F	N	N	0	0		200909
DPG-117	WASTE DISPOSAL PIT (FALCONER ROAD)	Landfill	3A	C	C	C				N	1	0		200109
DPG-118	TEST VAT(1940-1950'S) (EAST OF V-GRID)	Other	2A	C	C	U	F	F			0	0		201109
DPG-119	OB/OD PAN, 4MI EAST OF CARR FACILITY	Burn Area	NE	C	C					N	0	0		199307
DPG-120	BURN FACILITY IN BUILDING 5710	Burn Area	NE	C	C					N	0	0		199206
DPG-121	INCINERATOR, BAKER LAB BASEMENT	Incinerator	NE	C	C					N	0	0		199206
DPG-122	INCINERATOR, BAKER LAB BASEMENT	Incinerator	3A	C	C	C				N	2	0		199909
DPG-123	INCINERATOR (BAKER) BLDG 2028)	Incinerator	3A	C	C	C				N	0	0		199803
DPG-124	3X/5X CARR FACILITY INCINERATOR	Burn Area	3A	C	C	U	F	F	N	N	1	0		201109
DPG-125	AVERY BOILER BLOWDOWN SUMP (DITCH)	Disposal Pit/Dry Well	NE	C	C					N	0	0		199206
DPG-126	YELLOW JACKET AREA	Unexploded Munitions/Ordnance	NE	C						N	0	0		199111
DPG-127	SOUTHERN TRIANGLE AREA(INCL RISING SUN)	Unexploded Munitions/Ordnance	NE	C						N	0	0		199111
DPG-128	PESTICIDE STORAGE BLDG, ENGLISH VILLAGE	Pesticide Shop	3A	C	C	U	U	F	N	F	2	0		200209
DPG-130	SUMP, AAFES GAS STATION, ENGLISH VILLAGE	Spill Site Area	1A	C	C	U				N	1	0		200207
DPG-131	HWHA-1 (PAINT SHOP WASTES)	Storage Area	NE	C	C	C				N	0	0		199710
DPG-132	HWHA-2 (MOTOR VEHICLE SHOP WASTES)	Storage Area	NE	C	C	C				N	0	0		199710
DPG-133	HWHA-3 (AIRCRAFT MAINT-SHOP WASTES)	Storage Area	1A	C	C	U	F	F	N	F	0	0		200601

Site	Description	Site Type	RRSE	PA	SI	RI	RD	RA(C)	RA(O)	LTM	IRA	IRA	RIP	RC
											Complete Underway			
DPG-134	HWA-4 (CHEM LAB 3X WASTES)	Storage Area	NE	C	C	C			N	N	0	0		199710
DPG-135	HWA-5 (PHOTO WASTES)	Storage Area	3A	C	C	C			N	N	0	0		199710
DPG-136	HWA-6 (TEST GENERATED WASTES)	Storage Area	NE	C	C	C			N	N	0	0		199710
DPG-137	HWA-7 (GRID OPS BRANCH WASTE)	Storage Area	NE	C	C	C			N	N	0	0		199710
DPG-138	HWA-8 (LUB OIL-ANTIFREEZE)	Storage Area	NE	C	C	C			N	N	0	0		199710
DPG-139	HWA-9 (MOTOR OIL-ANTIFREEZE)	Storage Area	NE	C	C	C			N	N	0	0		199710
DPG-140	HWA-10 (BATTERIES & KOH SOL)	Storage Area	NE	C	C	C			N	N	0	0		199710
DPG-141	HWA-11 (MOTOR VEHICLE SHOP WASTES)	Storage Area	NE	C	C	C			N	N	0	0		199710
DPG-142	HWA-12 (3X WASTE FOR INCINERATORS)	Storage Area	NE	C	C	C			N	N	0	0		199710
DPG-143	HWA-13 (3X MATERIAL)	Storage Area	3A	C	C	C			N	N	0	0		199710
DPG-144	HWA-14 (BLEACH, LAB, SLNS)	Storage Area	NE	C	C	C			N	N	0	0		199710
DPG-145	HWA-15 (ENGLISH VILLAGE AUTOSHOP)	Storage Area	NE	C	C	C			N	N	0	0		199710
DPG-146	TANK TRUCK H2 SO4	Above Ground Storage Tank	NE	C	C				N	N	0	0		199307
DPG-147	AST DECON PAD C-8 EMULSION	Above Ground Storage Tank	NE	C	C				N	N	0	0		199307
DPG-148	HEALTH CLINIC TANK #1	Above Ground Storage Tank	NE	C	C				N	N	0	0		199307
DPG-149	HEALTH CLINIC TANK #2	Above Ground Storage Tank	NE	C	C				N	N	0	0		199305
DPG-150	WASTE LINES BLDG 3445 - CARR	Waste Lines	2A	C	C	U			N	N	0	0		200403
DPG-151	STAINLESS STEEL SUMP CARR (3X)	Disposal Pit/Dry Well	NE	C	C	C			N	N	0	0		199710
DPG-152	STAINLESS STEEL HOLDING TANK, CARR (3X)	Above Ground Storage Tank	NE	C	C	C			N	N	0	0		199710
DPG-153	STAINLESS STEEL SUMP, CARR (3X)	Disposal Pit/Dry Well	NE	C	C	C			N	N	0	0		199710
DPG-154	WASTE LINES AT DTC, CARR	Waste Lines	3A	C	C	U			N	N	0	0		200403
DPG-155	WASTE TANK, DTC, CARR(3X)	Above Ground Storage Tank	NE	C	C				N	N	0	0		199608
DPG-156	AST, DTC, CARR(3X)	Above Ground Storage Tank	NE	C	C				N	N	0	0		199608
DPG-157	SUMP, DTC, CARR(3X)	Other	NE	C	C				N	N	0	0		199601
DPG-158	EVAP POND NO OF MICHAEL AAF	Surface Impoundment/Lagoon	2A	C	C	C	C	F	N		1	0		200303
DPG-159	INCINERATOR, ENGLISH VILLAGE	Incinerator	3A	C	C	C			N	N	0	0		199909
DPG-160	AIR FORCE PAD 777 LF #1	Other	NE	C						N	1	0		199505
DPG-161	AIR FORCE PAD 777 LF #2	Fire/Crash Training Area	NE	C						N	1	0		199505
DPG-162	DECON PAD NO OF AVERY	Washrack	2A	C	C	U	F	F			2	0		200306
DPG-163	FIRE TRAINING AREA	Fire/Crash Training Area	1A	C	C	U	F	F		N	1	0		200304
DPG-164	AVERY WASH RACK #1	Washrack	3A	C						N	1	0		199610
DPG-165	AVERY WASH RACK #2	Washrack	3A	C	C	U			N	N	1	0		200212
DPG-166	AVERY WASH RACK #3	Washrack	1A	C						N	1	0		199610
DPG-167	CONT SOIL @ DITTO BLDG 4358	Washrack	3A	C	C	U			N	N	1	0		200212
DPG-168	CAR WASH RACK	Other	1A	C	C	C	U	F	N	N	1	0		200306
DPG-169	BAKER VEHICLE WASH RACK	Washrack	2A	C	C	U	U	F	N	N	1	0		200309
DPG-170	STEAM CLEANING ENGLISH VILLAGE/STARK RD	Washrack	3A	C						N	1	0		199610
DPG-171	BLDG 2006 BAKER AREA - BZ CONTAMINANT	Contaminated Buildings	2A	C	C	U	F	F	N	N	0	0		200909
DPG-172	OLD BATTERY SHOP, AVERY AREA (BLDG 1006)	Contaminated Buildings	1A	C	C	U	F	F	N	N	0	0		200601
DPG-173	OLD BATTERY SHOP - DITTO AREA	Contaminated Buildings	1A	C	C	U	F	F	N	N	0	0		200601
DPG-174	STORAGE SHEDS AT BAKER	Storage Area	NE	C	C	C			N	N	2	0		199803
DPG-175	ACID NEUTRALIZATION TANK - AVERY AREA	Underground Storage Tank	1A	C	C	C			N	N	0	0		200109
DPG-176	ACID DILUTION BOX - 4026 DITTO	Underground Storage Tank	1A	C	C	C			N	N	0	0		199909
DPG-177	OLD DRY CLEANING SHOP/SEWER SYSTEM DITTO	Disposal Pit/Dry Well	1A	C	C	U	F	F		F	0	1		200609

Site	Description	Site Type	RRSE	PA	SI	RI	RD	RA(C)	RA(O)	LTM	IRA	IRA	RIP	RC
											Complete Underway			
DPG-178	PHOTO PROCESSING BUILD - DITTO (4258)	Contaminated Buildings	3A	C	C	C	N	N	N	N	0	0		200109
DPG-179	BLDG 3342, 3048 SUMPS	Disposal Pit/Dry Well	3A	C	C	U			N	N	0	0		200310
DPG-180	OLD BIO LABORATORY WEST OF CARR FAC	Other	1A	C	C	U	F	F	N	F	0	0		200909
DPG-181	X-RAY LAB,CARR FACILITY(BLDG 3131)	Waste Lines	2A	C	C	C	N	N	N	N	0	0		200109
DPG-182	OPEN DET UNIT/SUPPRESSIVE TEST SHIELD	Contaminated Buildings	3A	C	C	C			N	N	0	0		200111
DPG-183	B29 AIRCRAFT - WEST OF GRANITE PEAK	Surface Disposal Area	3A	C	C	U					0	0		200310
DPG-184	AIR FILTER SYSTEM, BLDG 1004	Other	2A	C	C	C	N	N	N	N	0	0		200109
DPG-185	OLD CHEMICAL LABORATORY-DITTO AREA(4165)	Contaminated Buildings	2A	C	C	U	F	F	N	N	0	0		201009
DPG-186	NEW CHEMICAL LABORATORY - DITTO AREA	Contaminated Buildings	2A	C	C	C			N	N	0	0		199610
DPG-187	PRINT SHOP - ENGLISH VILLAGE (5466)	Contaminated Buildings	2A	C	C	C			N	N	0	0		200109
DPG-188	WASTE PIT NORTH OF RISING SUN GRID	Landfill	2A	C	C	U	F	F	N	N	1	0		200909
DPG-189	WASTE PIT- NORTH OF RISING SUN GRID	Landfill	2A	C	C	U	F	F	N	N	1	0		200909
DPG-190	RANGER LANDFILL AT PRIME ROAD GRAVEL PIT	Surface Disposal Area	1A	C	C	U			N	N	1	0		200209
DPG-191	LANDFILL - WEST OF EXISTING LANDFIL	Landfill	3A	C	C	C			N	N	0	0		200109
DPG-192	LANDFILL - 63 PITS WEST OF GRANITE	Landfill	1A	C	C	U	F	F	N	F	0	0		200809
DPG-193	DECONPAD - WEST OF GRANITE MOUNTAIN	Surface Runoff	3A	C	C	U			N	N	0	0		200312
DPG-194	LANDFILLS EAST OF CARR	Landfill	1A	C	C	U	F	F		F	0	0		200607
DPG-195	INCINERATOR EAST OF CARR	Burn Area	3A	C	C	C	N	N	N	N	0	0		200109
DPG-196	INCINERATOR EAST OF CARR	Burn Area	3A	C	C	C			N	N	0	0		199909
DPG-197	LANDFILL,OLD TARGET SITE, DOWNWIND GRID	Landfill	2A	C	C	U	F	F	N	F	0	0		201009
DPG-198	X-RAY PROCESSOR - HEALTH CLINIC	Waste Lines	NE	C						N	0	0		199710
DPG-199	OLD OB/OD EAST OF SWMU17	Explosive Ordnance Disposal Area	1A	C	C	U	F	F		F	2	0		201009
DPG-200	LANDFILL, SOUTHEAST OF CARR	Landfill	1A	C	C	U	F	F		F	0	0		200407
DPG-201	CAMEL'S BACK CAVE	Landfill	2A	C	C	U	F	F	N	N	0	0		200909
DPG-202	WASTE PILE AT CPI 3 (NOW DPG-114)	Building Demolition/Debris Remo	3A	C	C	C			N	N	0	0		199809
DPG-203	LANDFILL NORTH OF APG	Surface Disposal Area	3A	C	C				N	N	0	0		199908
DPG-204	LEWISITE AREA, SIMPSON BUTTES	Explosive Ordnance Disposal Area	1A	C	C	U	F	F	N	F	1	0		201009
DPG-205	GRASSY PLOTS GRID, EAST OF BAKER	Surface Disposal Area	2A	C	C	U			N	N	0	0		200310
DPG-206	SURFACE DISPOSAL AREA, NW OF MICHAEL AAF	Surface Disposal Area	2A	C	C	U	F	F	N	N	0	0		200909
DPG-207	DISPOSAL TRENCHES AND MOUNDS, CARR	Landfill	1A	C	C	U	F	F	N	F	0	0		200709
DPG-208	DRUM BURIAL SITE SE OF CARR	Chemical Disposal	1A	C	C	U	F	F	N	N	0	0		200309
DPG-209	BIOLOGICAL TEST PLOTS, BAKER	Contaminated Soil Piles	NE	C	C	U	F	F	N	N	0	0		201007
DPG-210	GLASS DISPOSAL SITE, SO OF BAKER	Surface Disposal Area	NE	C	C	U	F	F	N		0	0		201009
DPG-211	CORAL PIT LANDFILL,N OF CAMELSBACK RIDGE	Surface Disposal Area	3A	C	C	U			N	N	0	0		200309
DPG-212	M55 ROCKET TEST SITE, SO TOWER GRID	Explosive Ordnance Disposal Area	2A	C	C	U	F	F	N	F	1	0		200407
DPG-213	BURIAL TRENCH, TARGET S	Landfill	2A	C	C	U	F	F	N	F	0	0		201009
DPG-214	DECONTAMINATION PAD, TARGET S	Washrack	3A	C	C	U					0	0		200309
DPG-215	PIGEON LOFT TRENCHES, DOWNWIND GRID	Landfill	2A	C	C	U	F	F	N	F	0	0		201012
DPG-216	TRASH PIT, GRANITE MTN	Landfill	3A	C	C	U			N	N	0	0		200404

Report Period End Date: 03/31/2002

DEFENSE SITE ENVIRONMENTAL RESTORATION TRACKING SYSTEM

RISK INSTALLATION ACTION PLAN REPORT

02/07/2002

Installation: DUGWAY PROVING GROUND
Major Command: ATEC
SubCommand: DTC
Program Options: IRP, BRAC I, BRAC II, BRAC III, BRAC IV
Subprogram Options: Compliance, Restoration, UXO

Site	RRSE	Media Evaluated	Phase (s) Completed	Phase (s) Underway	Phase (s) Future	Proposed Alternative	#IRA Completed	#IRA Underway	#IRA Future	LTM Status	RIP Date	RC Date
DPG-001	2A	SL	PA RI SI			RC	1					200009
DPG-002	1A	GW SL	PA RI SI	RAC RD		Cap	1			F		200204
DPG-003	1A	GW SL WH	PA SI	RI	RAC RD	Cap/Removal	1			F		200506
DPG-004	1A	SL	PA SI	RI	RAC RD	Removal	1			N		200909
DPG-005	1A	SL	PA RI SI			RC	1					200008
DPG-006	2A	SL	PA SI	RI	RAC RD	Removal	1			N		200812
DPG-007	1A	SL	PA RD RI SI	RAC		Removal	1			N		200206
DPG-008	1A	SL	PA SI	RI	RAC RD	Removal	1			N		200410
DPG-009	1A	SL	PA RI SI	RD	RAC	Cap/Removal	1	1		F		200309
DPG-010	3A	SL	PA SI	RI	RAC RD	Removal	1			N		200909
DPG-011	3A	SL	PA SI	RI	RAC RD	Removal	1			F		200909
DPG-012	3A	SL	PA RI SI			RC	1			N		199909
DPG-013	3A	SL	PA RI			RC	1			N		200109

Site	RRSE	Media Evaluated	Phase (s) Completed SI	Phase (s) Underway	Phase (s) Future	Proposed Alternative	#IRA Completed	#IRA Underway	#IRA Future	LTM Status	RIP Date	RC Date
DPG-014	1A	GW	PA RI SI	RD	RAC	Cap/Removal	2			F		200210
DPG-015	NE		PA SI	RI	RAC RD	Removal	1			F		201009
DPG-016	1A	GW SL	PA SI	RI	RAC RD	Removal	1					200210
DPG-017	1A	GW SL	PA SI	RI	RAC RD	Removal	2			F		200610
DPG-018	2A	SL	PA SI	RI	RAC RD	Cap/Removal	1					200309
DPG-019	3A	GW SL	PA SI	RI	RAC RD	Removal	1			N		200909
DPG-020	3A	SL	PA RI SI			RC				N		199809
DPG-021	1A	GW SL	PA SI	RI	RAC RD	Cap/Removal	1			F		200506
DPG-022	3A	SL	PA RI SI			RC	1			N		199909
DPG-023	3A	SL	PA SI	RI	RAC RD	Cap	1			N		200909
DPG-025	3A	SL	PA SI	RI	RAC RD	Cap/Removal	1			N		200909
DPG-027	NE		PA SI			RC				N		199405
DPG-028	2A	SL	PA RI SI			RC	1					199909
DPG-029	NE		PA RI SI			RC	1			N		199803
DPG-030	3A	SL	PA			RC				N		199505
DPG-031	3A	SL	PA SI	RI	RAC RD	Cap/Removal	1			N		200912
DPG-032	1A	GW SL	PA SI	RI	RAC RD	Cap/Removal	1			F		200609
DPG-033	1A	GW SL WH	PA RD RI SI	RAC		Removal	1			F		200203
DPG-034	1A	SL	PA RD RI	RAC		Removal	1			N		200112

Site	RRSE	Media Evaluated	Phase (s) Completed SI	Phase (s) Underway	Phase (s) Future	Proposed Alternative	#IRA Completed	#IRA Underway	#IRA Future	LTM Status	RIP Date	RC Date
DPG-035	1A	GW SL	PA SI	RI	RAC RD	Removal	1			F		200609
DPG-036	1A	GW SL WH	PA RD RI SI	RAC		Removal	1			F		200208
DPG-037	1A	GW SL	PA RD RI SI	RAC		Cap/Removal	1			F		200306
DPG-038	1A	GW SL	PA SI	RD RI	RAC	Removal	1			F		200310
DPG-039	1A	GW SL	PA RD RI SI	RAC		Cap	1			F		200303
DPG-040	1A	SL	PA SI	RI	RAC RD	RBIC	2			N		200309
DPG-041	1A	GW SL	PA SI	RI	RAC RD	Cap/Removal				F		200403
DPG-042	1A	GW SL	PA RD RI SI	RAC		Cap/Removal	1			F		200209
DPG-043	1A	GW	PA RD RI SI	RAC		Cap/Removal	1			F		200409
DPG-044	1A	GW SL	PA SI	RI	RAC RD	Removal				F		200403
DPG-045	NE		PA SI			RC				N		199709
DPG-046	2A	GW SL	PA SI	RI	RAC RD	Removal	1			N		200209
DPG-047	1A	GW SL WH	PA RI SI	RAC RD		Removal				F		200209
DPG-048	1A	SL	PA RD RI SI	RAC		Removal	1			N		200204
DPG-049	NE		PA			RC				N		199406
DPG-050	NE		PA RI SI			RC				N		199809

Site	RRSE	Media Evaluated	Phase (s) Completed	Phase (s) Underway	Phase (s) Future	Proposed Alternative	#IRA Completed	#IRA Underway	#IRA Future	LTM Status	RIP Date	RC Date
DPG-051	2A	GW SL	PA RD RI SI	RAC		Cap or RBIC	2			F		200409
DPG-052	1A	SL	PA SI	RI	RAC RD	Cap	1			F		200706
DPG-053	NE		PA RI SI			RC				N		199803
DPG-054	1A	SL	PA SI	RI	RAC RD	Cap/Removal				F		200709
DPG-055	1A	GW SL	PA RI SI	RAC RD		Cap	1	1		F		200501
DPG-056	2A	SL	PA SI	RI	RAC RD	Cap/Removal	1			F		201109
DPG-058	1A	GW SL	PA RD RI SI	RAC		Cap	2			F		200212
DPG-059	1A	SL	PA RD RI SI	RAC		RBIC	2					200203
DPG-060	1A	SL	PA SI	RI	RAC RD	Removal				F		200701
DPG-061	2A	GW SL	PA SI	RI	RAC RD	Removal						200906
DPG-062	NE		PA RI SI			RC				N		199803
DPG-063	1A	GW SL	PA SI	RD RI	RAC	Removal	2			F		200209
DPG-064	2A	SL	PA RI SI			RC				N		199909
DPG-065	NE		PA SI	RI	RAC RD	Removal	1			N		201109
DPG-066	3A	SL	PA RI SI			RC				N		199909
DPG-067	NE		PA			RC				N		199111
DPG-069	1A	GW SL	PA			RC				N		199111
DPG-070	2A	SL	PA RI			RC						200109

Site	RRSE	Media Evaluated	Phase (s) Completed	Phase (s) Underway	Phase (s) Future	Proposed Alternative	#IRA Completed	#IRA Underway	#IRA Future	LTM Status	RIP Date	RC Date
DPG-071	NE		SI PA			RC				N		199111
DPG-072	NE		PA			RC				N		199111
DPG-073	NE		PA			RC				N		199111
DPG-074	NE		PA			RC				N		199111
DPG-075	2A	SL	PA SI	RI	RAC RD	Removal				F		200909
DPG-076	NE		PA			RC				N		199111
DPG-077	3A	SL	PA SI	RI	RAC RD	Removal				N		200909
DPG-078	NE		PA SI			RC				N		199307
DPG-079	1A	GW SL	PA SI	RI	RAC RD	Cap/Removal				F		200409
DPG-081	3A	SL	PA RI SI			RC				N		199909
DPG-082	NE		PA RI SI			RC				N		199803
DPG-083	NE		PA			RC				N		199111
DPG-084	NE		PA			RC				N		199111
DPG-085	NE		PA			RC				N		199111
DPG-086	NE		PA			RC				N		199111
DPG-088	NE		PA SI			RC				N		199307
DPG-090	1A	GW SL	PA RD RI SI	RAC		Cap/Removal	1			F		200212
DPG-091	NE		PA RI SI			RC				N		200009
DPG-092	3A	SL	PA RI SI			RC						200109
DPG-093	2A	SL	PA RI SI			RC				N		200109
DPG-094	NE		PA			RC				N		199111
DPG-095	NE		PA			RC				N		199111
DPG-096	2A	SL	PA RI SI			RC				N		200109
DPG-097	1A	GW SL	PA SI	RI	RAC RD	Removal/ MNA				F		200709

Site	RRSE	Media Evaluated	Phase (s) Completed	Phase (s) Underway	Phase (s) Future	Proposed Alternative	#IRA Completed	#IRA Underway	#IRA Future	LTM Status	RIP Date	RC Date
DPG-098	1A	SL	PA SI	RI	RAC RD	Removal				F		200707
DPG-099	3A	SL	PA SI	RI		RBIC	3			N		200207
DPG-100	NE		PA			RC				N		199111
DPG-101	2A	SL	PA RI SI			RC	1					199909
DPG-102	NE		PA			RC				N		199111
DPG-103	3A	SL	PA RI SI			RC	1			N		199909
DPG-104	2A	SL	PA RI SI			RC	1			N		199909
DPG-107	2A	SL	PA RI SI			RC	1			N		199909
DPG-108	NE		PA RI SI			RC				N		199803
DPG-109	NE		PA RI SI			RC				N		199803
DPG-110	3A	SL	PA RI SI			RC				N		199909
DPG-111	3A	SL	PA RI SI			RC				N		199909
DPG-113	3A	SL	PA SI	RI	RAC RD	Removal/ RBIC	1			N		201109
DPG-114	3A	SL WH	PA SI	RI	RAC RD	Other				N		201109
DPG-115	3A	SL	PA SI	RI	RAC RD	Removal	1			F		201009
DPG-116	2A	SL	PA SI	RI	RAC RD	Removal				N		200909
DPG-117	3A	SL	PA RI SI			RC	1			N		200109
DPG-118	2A	SL	PA SI	RI	RAC RD	Cap/Removal				F		201109
DPG-119	NE		PA SI			RC				N		199307
DPG-120	NE		PA			RC				N		199206

Site	RRSE	Media Evaluated	Phase (s) Completed SI	Phase (s) Underway	Phase (s) Future	Proposed Alternative	#IRA Completed	#IRA Underway	#IRA Future	LTM Status	RIP Date	RC Date
DPG-121	NE		PA SI			RC				N		199206
DPG-122	3A	SL	PA RI SI			RC	2			N		199909
DPG-123	3A	SL	PA RI SI			RC				N		199803
DPG-124	3A	SL	PA SI	RI	RAC RD	RBIC	1			N		201109
DPG-125	NE		PA SI			RC				N		199206
DPG-126	NE		PA			RC				N		199111
DPG-127	NE		PA			RC				N		199111
DPG-128	3A	GW SL	PA SI	RD RI	RAC	RBIC	2			F		200209
DPG-130	1A	SL	PA RI SI	RD	RAC	Removal	1			F		200402
DPG-131	NE		PA RI SI			RC				N		199710
DPG-132	NE		PA RI SI			RC				N		199710
DPG-133	1A	GW	PA SI	RI	RAC RD	Removal/ MNA				N		200309
DPG-134	NE		PA RI SI			RC				N		199710
DPG-135	3A	SL	PA RI SI			RC				N		199710
DPG-136	NE		PA RI SI			RC				N		199710
DPG-137	NE		PA RI SI			RC				N		199710
DPG-138	NE		PA RI SI			RC				N		199710
DPG-139	NE		PA RI SI			RC				N		199710

Site	RRSE	Media Evaluated	Phase (s) Completed	Phase (s) Underway	Phase (s) Future	Proposed Alternative	#IRA Completed	#IRA Underway	#IRA Future	LTM Status	RIP Date	RC Date
DPG-140	NE		PA RI SI			RC				N		199710
DPG-141	NE		PA RI SI			RC				N		199710
DPG-142	NE		PA RI SI			RC				N		199710
DPG-143	3A	SL	PA RI SI			RC				N		199710
DPG-144	NE		PA RI SI			RC				N		199710
DPG-145	NE		PA RI SI			RC				N		199710
DPG-146	NE		PA SI			RC				N		199307
DPG-147	NE		PA SI			RC				N		199307
DPG-148	NE		PA SI			RC				N		199307
DPG-149	NE		PA SI			RC				N		199305
DPG-150	2A	GW SL	PA SI	RI		Removal				N		200207
DPG-151	NE		PA RI SI			RC				N		199710
DPG-152	NE		PA RI SI			RC				N		199710
DPG-153	NE		PA RI SI			RC				N		199710
DPG-154	3A	GW SL	PA SI	RI		Removal				N		200207
DPG-155	NE		PA SI			RC				N		199608
DPG-156	NE		PA SI			RC				N		199608
DPG-157	NE		PA SI			RC				N		199601
DPG-158	2A	GW	PA	RD	RAC	Removal/	1					200212

Site	RRSE	Media Evaluated SL	Phase (s) Completed RI SI	Phase (s) Underway	Phase (s) Future	Proposed Alternative RBIC	#IRA Completed	#IRA Underway	#IRA Future	LTM Status	RIP Date	RC Date
DPG-159	3A	SL	PA RI SI			RC				N		199909
DPG-160	NE		PA RI SI			RC	1			N		199505
DPG-161	NE		PA RI SI			RC	1			N		199505
DPG-162	2A	GW	PA SI	RI	RAC RD	RBIC	2					200209
DPG-163	1A	GW SL	PA SI	RI	RAC RD	Removal	1			N		200303
DPG-164	3A	SL	PA RI SI			RC	1			N		199610
DPG-165	3A	SL	PA SI	RI		RBIC	1			N		200207
DPG-166	1A	SL	PA RI SI			RC	1			N		199610
DPG-167	3A	SL	PA SI	RI		RBIC	1			N		200207
DPG-168	1A	SL	PA RI SI	RAC RD		Removal	1			N		200203
DPG-169	2A	SL	PA SI	RD RI	RAC	RBIC	1			N		200208
DPG-170	3A	SL	PA RI SI			RC	1			N		199610
DPG-171	2A	SH	PA SI	RI	RAC RD	Removal				N		200909
DPG-172	1A	SL	PA SI	RI	RAC RD	Removal				N		200601
DPG-173	1A	GW SL	PA SI	RI	RAC RD	Removal				N		200601
DPG-174	NE		PA RI SI			RC	2			N		199803
DPG-175	1A	SL	PA RI SI			RC				N		200109
DPG-176	1A	SL WH	PA RI SI			RC				N		199909
DPG-177	1A	GW SL	PA SI	RI	RAC RD	Removal/ MNA		1				200609
DPG-178	3A	SL	PA RI SI			RC				N		200109
DPG-179	3A	SL	PA SI	RI		Removal/ RBIC				N		200207
DPG-180	1A	GW	PA RI SI	RI	RAC	Removal				F		200909

Site	RRSE	Media Evaluated SL	Phase (s) Completed SI	Phase (s) Underway	Phase (s) Future RD	Proposed Alternative	#IRA Completed	#IRA Underway	#IRA Future	LTM Status	RIP Date	RC Date
DPG-181	2A	SL	PA RI SI			RC				N		200109
DPG-182	3A	SL	PA SI	RI		RC				N		200207
DPG-183	3A	SL	PA SI	RI		Removal			1			200207
DPG-184	2A	GW SL	PA RI SI			RC				N		200109
DPG-185	2A	GW SL	PA SI	RI	RAC RD	Removal				N		201009
DPG-186	2A	SL	PA RI SI			RC				N		199610
DPG-187	2A	SL	PA RI SI			RC				N		200109
DPG-188	2A	SL	PA SI	RI	RAC RD	Removal	1			N		200909
DPG-189	2A	SL	PA SI	RI	RAC RD	Removal	1			N		200909
DPG-190	1A	SL	PA SI	RI		Removal	1			N		200209
DPG-191	3A	SL	PA RI SI			RC				N		200109
DPG-192	1A	GW SL	PA SI	RI	RAC RD	Cap/Removal				F		200809
DPG-193	3A	SL	PA SI	RI	RAC RD	Removal				N		200909
DPG-194	1A	SL	PA SI	RI	RAC RD	Cap/Removal				F		200607
DPG-195	3A	SL	PA RI SI			RC				N		200109
DPG-196	3A	SL	PA RI SI			RC				N		199909
DPG-197	2A	SL	PA SI	RI	RAC RD	Cap/Removal				N		201009
DPG-198	NE		PA			RC				N		199710
DPG-199	1A	WEF	PA SI	RI	RAC RD	Removal/ MNA	2			F		201009
DPG-200	1A	SL	PA	RI	RAC	Cap/Removal				F		200407

Site	RRSE	Media Evaluated	Phase (s) Completed SI	Phase (s) Underway RI	Phase (s) Future RD	Proposed Alternative	#IRA Completed	#IRA Underway	#IRA Future	LTM Status	RIP Date	RC Date
DPG-201	2A	SL	PA SI	RI	RAC RD	Removal				N		200909
DPG-202	3A	SL	PA RI SI			RC				N		199809
DPG-203	3A	SL	PA SI			RC				N		199908
DPG-204	NE		PA SI	RI	RAC RD	Cap/Removal	1			N		201009
DPG-205	2A	SL	PA SI	RI	RAC RD	Removal				N		201009
DPG-206	2A	SL	PA SI	RI	RAC RD	Removal				N		200909
DPG-207	1A	SL	PA SI	RI	RAC RD	Cap/Removal				F		200709
DPG-208	1A	SL	PA SI	RI	RAC RD	Removal				N		200209
DPG-209	NE		PA SI	RI	RAC RD	Other				N		201007
DPG-210	NE		PA SI	RI	RAC RD	Other						201009
DPG-211	3A	SL	PA SI	RI	RAC RD	Removal				N		201009
DPG-212	2A	SL	PA SI	RI	RAC RD	Cap	1					201009
DPG-213	2A	GW SL	PA SI	RI	RAC RD	Cap/Removal				N		201009
DPG-214	3A	GW SL	PA SI	RI	RAC RD	Removal/ MNA						201009
DPG-215	2A	SL	PA SI	RI	RAC RD	Cap/Removal				F		201012
DPG-216	3A	GW SL	PA SI	RI	RAC RD	Removal				N		201106

RRSE - Relative Risk Site Evaluation; Risk Category - 1=High, 2=Medium, 3=Low;

Legal Agreement - A = with agreement, B = without agreement; C = Complete, U = Underway, F = Future; MNA = Monitored Natural Attenuation, N = Not Applicable,

RC = Response Complete, RBIC = Risk Based Industrial Closure

Reporting Period End Date: 09/30/2001